

# KV-25XSD/25XSTD

## RM-673

## SERVICE MANUAL

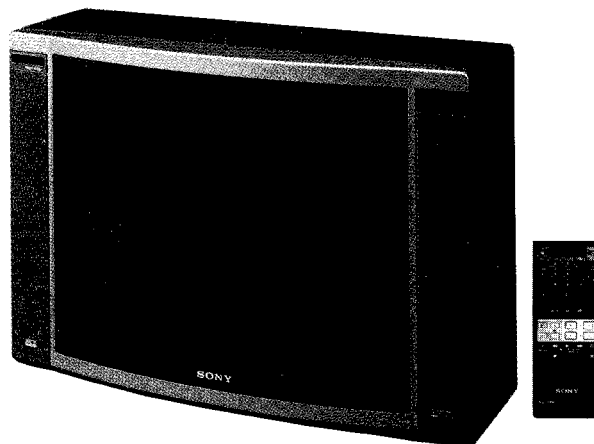
*AEP Model*

*KV-25XSD:*

*Chassis No. SCC-B14B-A*

*KV-25XSTD:*

*Chassis No. SCC-B14A-A*



# AE-1 CHASSIS

**Note:** The service manuals for RM-673 have been issued separately.

### MODELS OF THE SAME SERIES

KV-25XSD/25XSTD	

### SPECIFICATIONS

Television system	CCIR B, G and H
Color system	PAL SECAM
Stereo system	German two-carrier system
Channel coverage	VHF channels E2-S20 UHF channels E21-E69
Picture tube	Trinitron tube 110-degree deflection Approx. 63.5 cm (25 inches) (Approx. 59 cm picture measured diagonally)
Audio output	10W + 10W (music power)
Inputs	21-pin EURO-AV connector, CENELEC Standard
Outputs	Headphones jack: stereo minijack External speaker terminals: 2-pin DIN
Power consumption	92 Wh: KV-25XSD 96 Wh: KV-25XSTD
Dimensions	Approx. 720 x 506 x 468 mm (w/h/d)
Weight	Approx. 37 kg
Supplied accessories	RM-673 Remote Commander (1) IEC designation R6 batteries (2)

Design and specifications are subject change without notice.



# TRINITRON® COLOR TV


# SONY®

## CTV

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
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**SAFETY-RELATED COMPONENT WARNING !!**

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.



## SECTION 1 GENERAL

### 1-1. FIRST OF ALL

- 1** Connect the ANTENNA to the  socket on the rear of the set.  
This socket receives the standard 75-ohm aerial plug.
- 2** Plug in the set.
- 3** Tune in the available channels.

Use the buttons inside the front panel. To open the panel, press the centre.

To tune in all channels automatically:




- 1 Press  (PRESET)
- 2 Press PROGR to select the program position from which tuning is to start.
- 3 Press  (AUTO PROGRAMING)

The channels will be tuned in and memorized in consecutive positions, beginning from the program position selected in step 2.



When tuning has been completed, the set returns to the position where tuning began.

To tune in a channel in any desired program position.

(e.g. the position with the same number as the channel):

- 1 Press  (PRESET)
- 2 Press PROGR to select the desired program position.
- 3 Press C (CLEAR)
- 4 Press  (SEARCH) repeatedly until the desired channel appears.
- 5 Repeat steps 2 to 4 for all channels, if required.
- 6 Press  (PRESET) again.

To have the unused program positions skipped when PROGR+ or PROGR- is pressed:

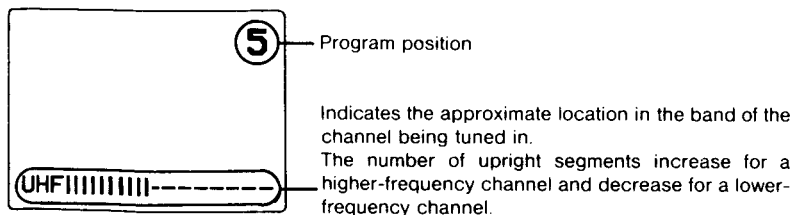
- 1 Press  (PRESET)
- 2 Press PROGR to select the unused position.
- 3 Press C (CLEAR)
- 4 Repeat steps 2 and 3 for all unused positions.
- 5 Press  (PRESET) again.

#### Note

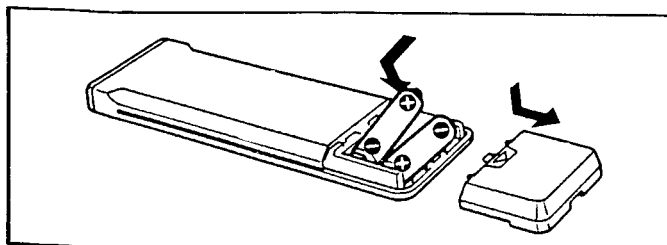
If the set is to be used in an area with poor reception preset the program numbers between 1 and 19 for TV program use.

When watching a video with the VTR connected to the connector, set the channel for the video to program n° 0 or any empty channel between 20 and 29.

### On-screen display while tuning

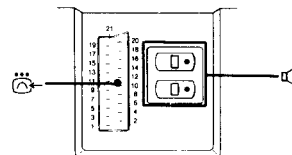





- 4** Inset two R6 batteries checking the correct polarity.



### 1-2. CONNECTING OTHER EQUIPMENT

Connectors on rear of set



L/G/S 	Leti external speaker terminal (2-pin DIN)	Connect to external speakers. The TV speakers will be disconnected. Speaker 8-16Ω
R/D/D 	Right external speaker terminal (2-pin DIN)	
	21-pin connector (CENELEC standard)	Connect to a VTR (CENELEC standard) micro computer, etc. using an optional connection cord. The picture of the TV channel being received is always output.

### VTR operation using the supplied Commander

To control a Sony 8mm VTR

Remote operation of the VTR is limited to the features and functions of the VTR. For further details refer to the VTR manual.

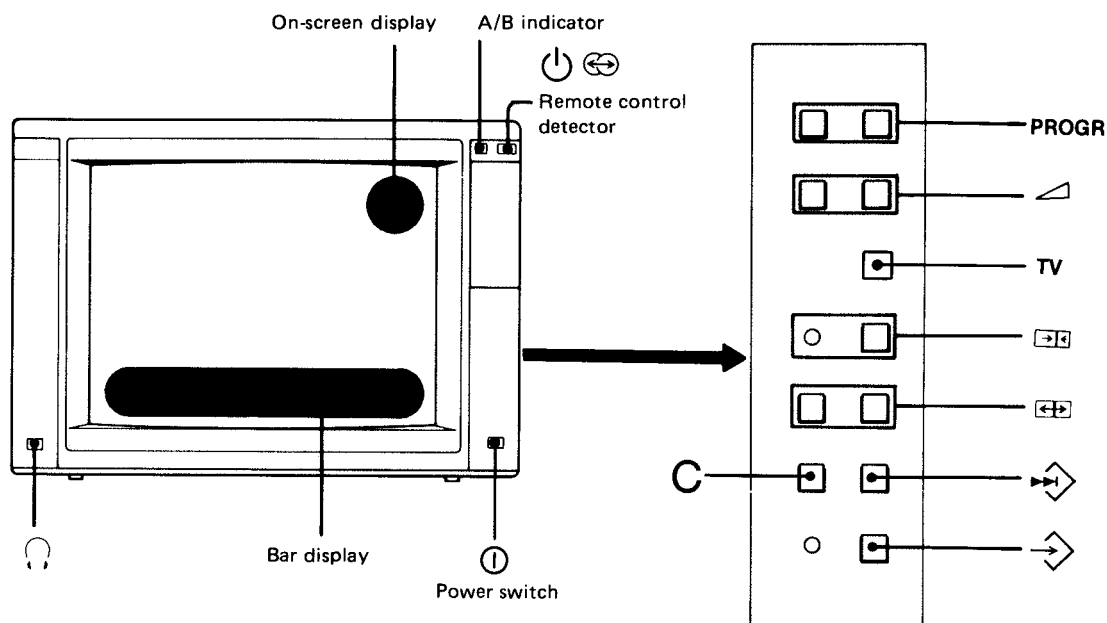
#### Note

Move the VTR away from the TV, if the picture or sound is distorted.

Pin No.	Signal	Signal level
1	Audio output B (right)	Standard level: 0.5 Vrms Output impedance: Less than 1 k ohm*
2	Audio input B (right)	Standard level: 0.5 Vrms Input impedance: More than 10 k ohms*
3	Audio output A (left)	Standard level: 0.5 Vrms Output impedance: Less than 1 k ohm*
4	Ground (audio)	
5	Ground (blue)	
6	Audio input A (left)	Standard level: 0.5 Vrms input impedance: More than 10 k ohms*
7	Blue input	0.7 V ±2 dB, 75 ohms, positive
8	Function select (AV control)	High state (9.5–12V): Part mode Low state (0–2 V): TV mode Input impedance: More than 10 k ohms Input capacitance: Less than 2 nF
9	Ground (green)	
10	Open	
11	Green/Green with sync input	Green signal: 0.7 V ±2 dB, 75 ohms, positive Green with sync signal: 1 V ±2 dB, 75 ohms, positive
12	Open	
13	Ground (red)	
14	Ground (blanking)	
15	Red input	(Same as Pin 7)
16	Blanking input (Ys signal)	High state (1–3 V) Low state (0–0.4 V) Input impedance: 75 ohms
17	Ground (video output)	
18	Ground (video input)	
19	Video output	1 V ±2 dB, 75 ohms, positive Sync: 0.3 V (–3, ±10 dB)
20	Video input	1 V ±2 dB, 75 ohms, positive Sync: 0.3 V (–3, ±10 dB)
21	Common ground (plug, shield)	

\* at 20 Hz–20 kHz

### 1-3. FUNCTION OF CONTROLS



#### On the set

##### On-screen display

Indicates program numbers and input mode.

##### Bar display

Indicates the level of volume, color, brightness, contrast, bass, treble and balance.

##### • Note on function.

When the volume is at the minimum setting the balance function will not operate.

##### power switch

To cut off the mains power completely, press this switch.

##### Note

To ensure correct operation, push the switch in fully.

##### standby indicator

Lights up brightly when the set is in the standby mode.

##### Note

If the main power is turned off when in standby mode, the standby indicator will take 2 to 6 seconds to go off.

##### space sound indicator

Lights up when on the Remote Commander is pressed.

##### A/B indicator

One of them lights during bilingual broadcast. (Choose A or B with the Remote Commander.)

Both light during stereo broadcast. In AV mode, A lights for left channel, B for right channel, or A and B for both channels.

##### Remote control detector

Point the Remote Commander towards this detector.

##### Note

- To ensure correct operation push the switch in fully.

#### Inside the panel

##### headphones jack (stereo minijack)

##### search buttons

Press to fine tune a weak channel manually, if required.

When (SEARCH) is pressed, the indicator goes off and the (AFT) circuit does not function on the selected channel.

To restore the (AFT) circuit on this channel, press (AFT) so that the indicator lights up.

##### AFT button and indicator

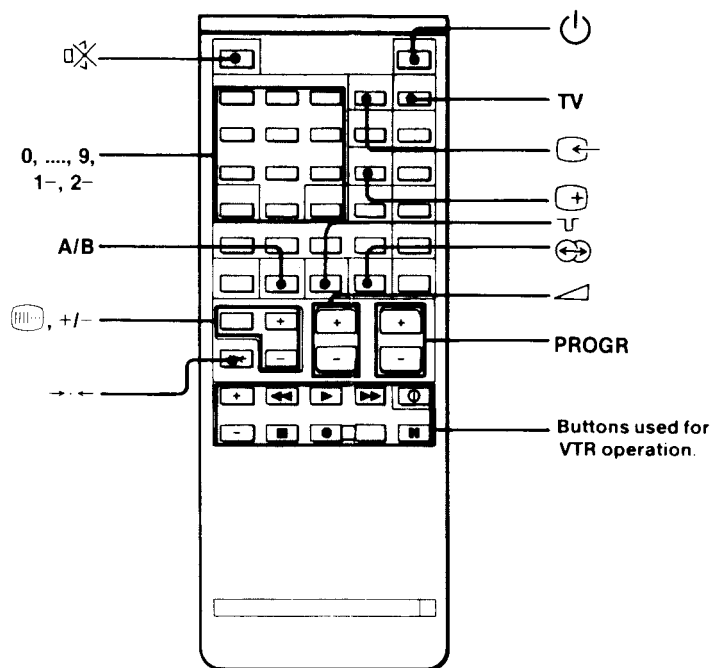
Normally, press (AFT) so that the indicator lights up. The AFT circuit automatically fine tunes the channels for the best possible picture.

##### volume buttons

##### PROGR program scan buttons

##### TV button

- The TV button will not function on this set.



## On the Remote Commander

To operate the Commander, point it toward the remote control detector.

### **Mute button**

### **0, ..., 9, 1-, 2- buttons**

To tune in to:  
program 15, press 1- and 5  
program 25, press 2- and 5

### **A/B button**

Press to select the language in a bilingual broadcast, or to select the channel in AV mode.

### **[Bar Graph], +/- analog select buttons**

Press → ← first, then press [Bar Graph] .

● (contrast) will appear on the screen. Adjust by pressing + or -. Press [Bar Graph] again and adjust ● (color), ☀ (brightness), 🎵 (bass), 🎵 (treble) and ⚖ (balance).

### **→ ← reset button**

Press to reset color, brightness, bass, treble, balance and contrast to factory-set levels.

### **⏻ standby button**

Press to change to the standby mode. Use this button to turn off the set for short periods of time.

To turn on the set, press TV or the program number, there will be a slight delay before the picture is restored.

### **TV button**

Press to change to the TV mode from the standby, Ⓖ input or teletext modes.

### **Ⓖ input button**

Press to view the input picture coming in through the Ⓖ connector.

"Ⓖ" lights up on the screen.

Press TV or the program number to return to the TV mode.

### **U loudness button**

Press to emphasize high and low notes.

### **[+/-] on-screen display button.**

Press to make the display appear on the screen.

Press again to make it disappear.

### **↻ space sound button**

Press to obtain special acoustic effects.

### **PROGR program scan buttons**

### **⏮ volume buttons**

## 1-4. VIEWING TELETEXT

To view the teletext service, use the Remote Commander.  
The buttons used for teletext operation are indicated in green.

### Operation

- 1 Select the TV channel for the desired teletext service.
- 2 Press / (TEXT/MIX) to display the teletext service. Once / (TEXT/MIX) has been pressed, the TV channel cannot be changed.
- 3 Key in the three digits for the desired page using the number buttons. If an error is made, complete the three-digit sequence by keying in any digit. Then, re-enter the correct page number.  
The requested teletext page is displayed.

To return to the TV mode, press TV.

The teletext service can be displayed directly from the standby mode, by pressing / (TEXT/MIX)

### To receive the teletext service of a different TV channel

- 1 Press TV to return to the TV mode.
- 2 Select the desired TV channel.
- 3 Press / (TEXT/MIX)

### Note

To receive the teletext service accurately, keep AFT inside the panel switched on during teletext operation.

### To display the index page

Press (INDEX.)

If the necessary signal is not being broadcast, page 100 is displayed.

### To access the next or preceding page

Press (PAGE +) or (PAGE -).

If, for example, page 160 is selected this page is displayed and pages 159, 161 and 162 are stored and may be called up immediately by means of the , keys.

### To superimpose the teletext display on the TV picture

Press / (TEXT/MIX) twice from TV mode.  
Press again to return to the TEXT display.

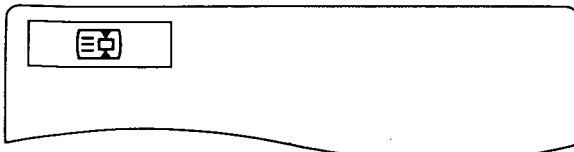
### To suppress the teletext display so that the TV picture is displayed

Press (TEXT CL.)

This button can be operated from both the TEXT and MIX displays.

### To prevent a teletext page (subpage) from being updated/changed

Press (HOLD) appears at the top of the screen.



To resume normal teletext reception, press TEXT/MIX.

### To enlarge the teletext display

Press (ENLARGE)

Press once to enlarge the upper half of the display; press again to enlarge the lower half of the display; press again to return to the normal display.

### To reveal concealed information such as the answers to a quiz

Press REVEAL

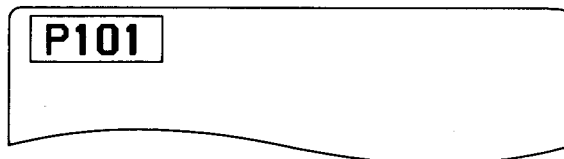
Press again to conceal the answers.

### To adjust the contrast of the teletext display

Press until appears on the screen and adjust by pressing + or -.

### To watch the TV program while waiting for a requested page to be displayed.

- 1 Request new page.
- 2 Press (TEXT CL.) to watch the TV program.  
When the requested page has been captured, the page number will appear on the top left hand corner of the screen.



To view this page, press / (TEXT/MIX)

### To have a requested page displayed at a predetermined time

- 1 Request a time coded page (e.g. alarm page).
- 2 Press (TP ON.)  
"T\*\*\*\*" will appear at the bottom of the screen.



- 3 Enter your request time with the number buttons, using four digits. For example, 07:30.



To watch the TV program until the requested time, press (TEXT CL.) At the requested time, the page number will appear on the top left hand corner of the screen.

To view this page, press / (TEXT/MIX.)

To cancel the request, first ensure that the teletext page is displayed, then press (TP OFF.)



## 1-5. SIMPLE CHECK LIST

Disturbances in picture and sound can often be eliminated by checking the symptoms and following the suggestions listed below.

### No picture (screen not lit), no sound

- Plug the set into a working outlet.
- Press ① on the TV or if the indicator is on, press TV or the Program number on the Remote Commander
- Check the aerial.




### Poor or no picture (screen not lit) but good sound

- Press the  button on the remote commander. Adjust ① and ② with the  + button.
- Press → ← .

### Good picture but no sound

- Press ∆ +.
- Disconnect the earphone.
- If "RX" is displayed on the screen, press RX.

### No color for color programs

- Press the  button on the remote commander. Adjust ③ with the  + button ④ with the  + button.

### Snow and noise

- Fine tune the channel manually.
- Check aerial connections.

### Dotted lines or stripes

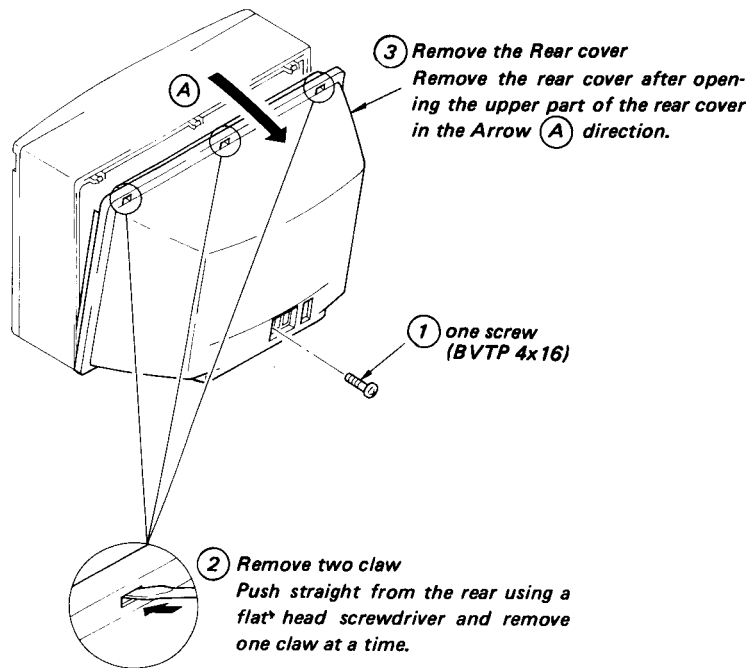
This may be caused by local interference (e.g. cars, neon signs, hairdryers, etc.). Adjust the antenna for minimum interference.

### Double images or "ghosts"

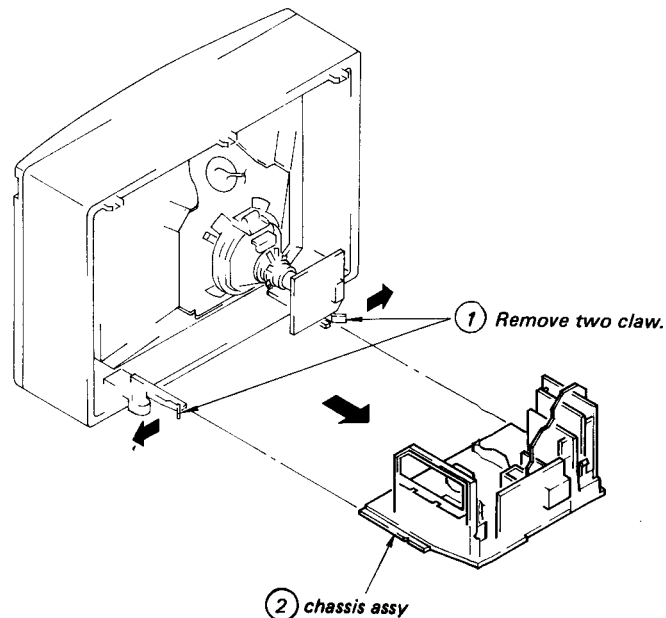
This may be caused by reflections from nearby mountains or buildings. A highly directional outdoor aerial may improve the picture.

## SECTION 2 DISASSEMBLY

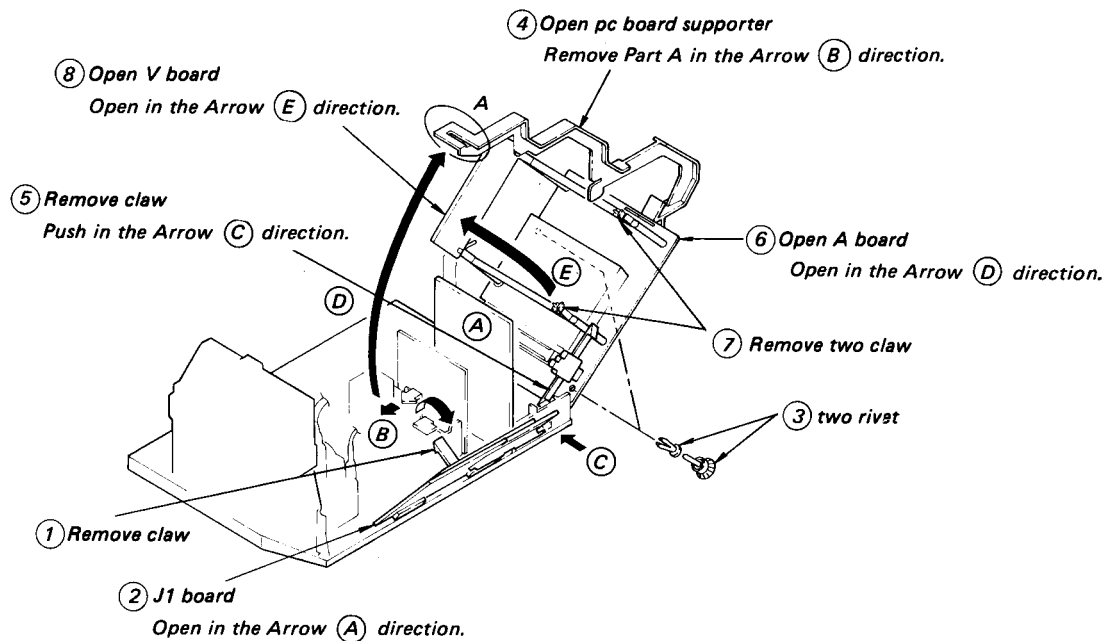
### 2-1. REAR COVER REMOVAL



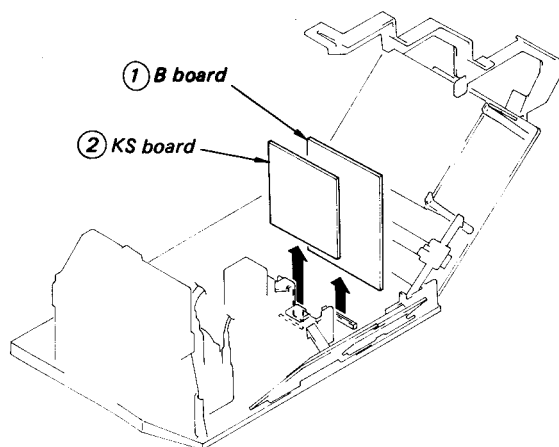
### 2-2. CHASSIS ASSY REMOVAL



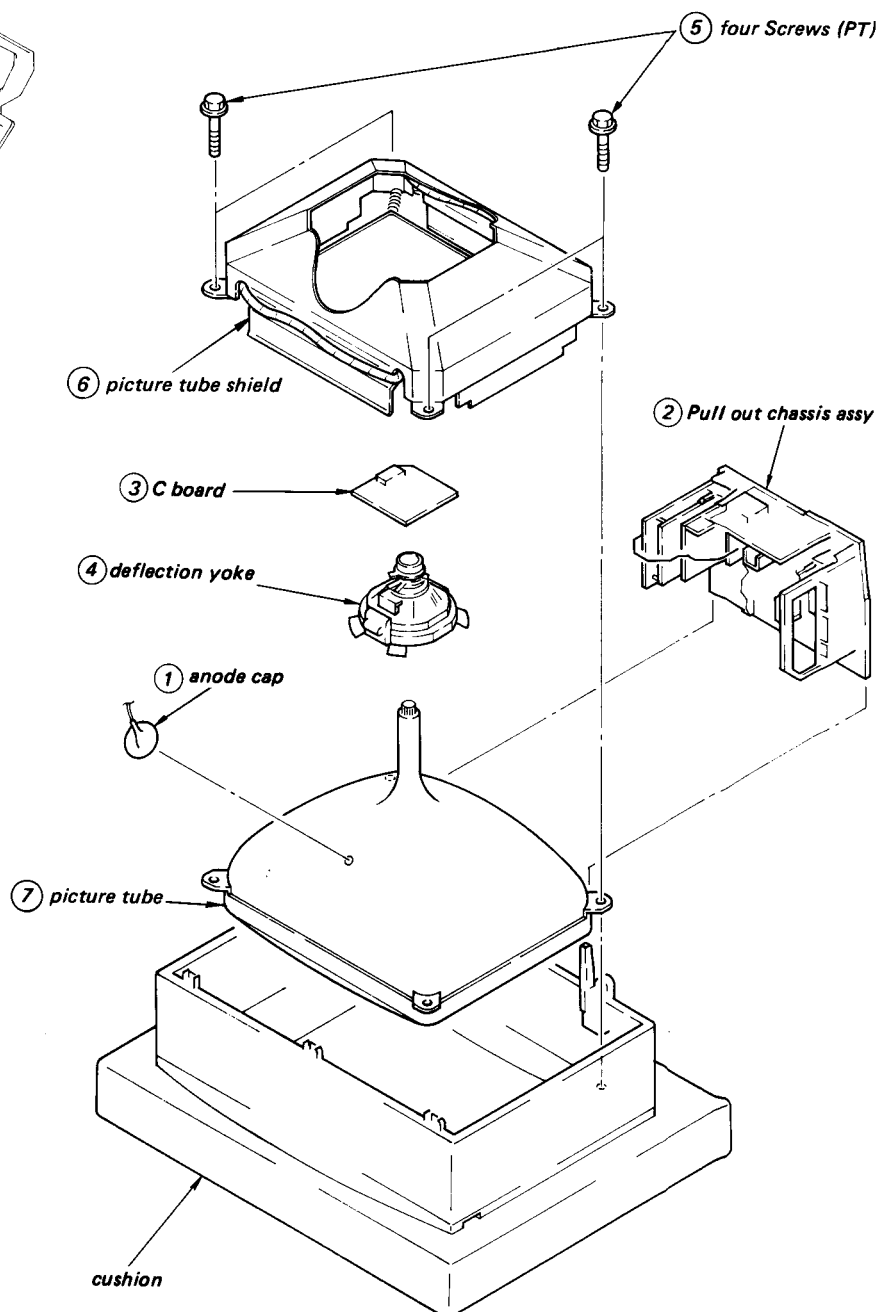
### 2-3. J1, A, V BOARD (V BOARD KV-25XSTD ONLY)



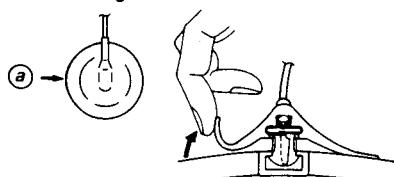
## 2-4. KS AND B BOARDS REMOVAL



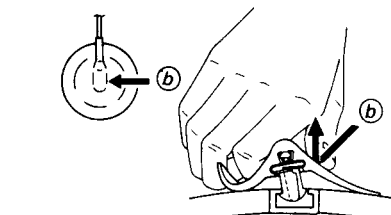
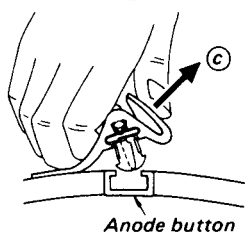
## 2-5. PICTURE TUBE REMOVAL



### • Removing Procedures



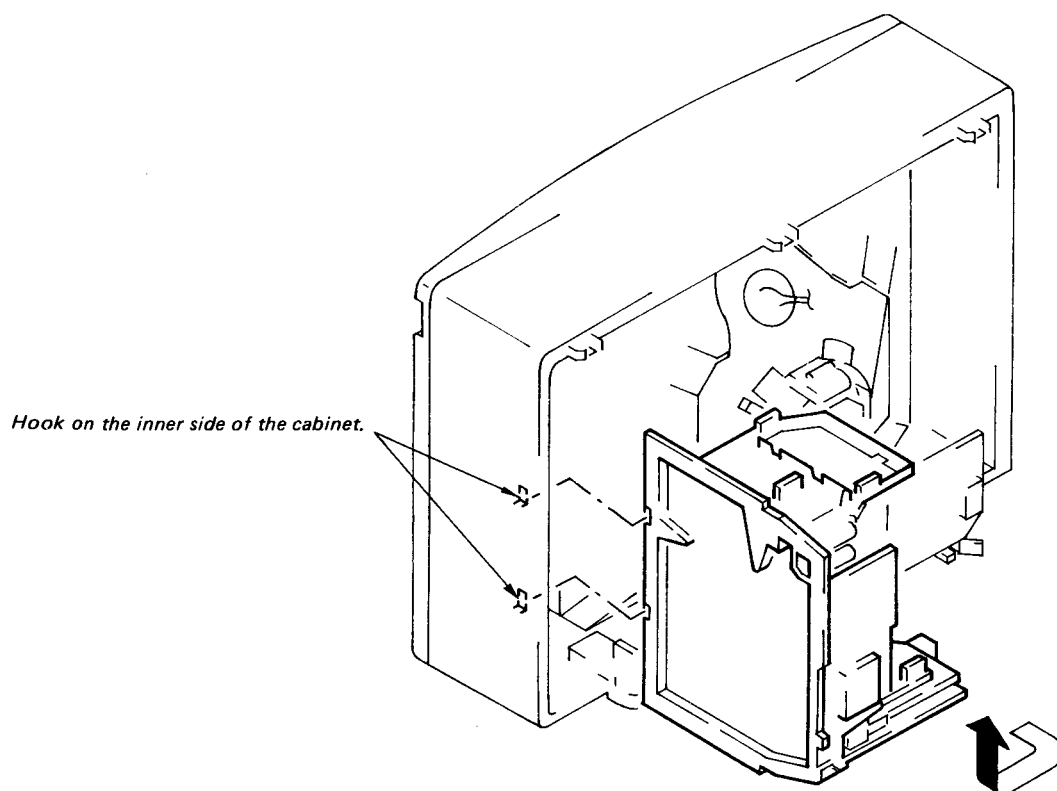
- ① Turn up one side of the rubber cap in the direction indicated by the arrow (a).



- ② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow (b).

- ③ When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow (c).

**2-6. SERVICE POSITION**



## SECTION 3

### SETUP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

- CONTRAST control . . . . .80% (or Normal by Commander)
- ☼ BRIGHTNESS control . . . . .50%

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

**Note:** Test Equipment Required.

1. Color Bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

#### 3-1. BEAM LANDING

1. Input a raster signal with the pattern generator.  
 CONTRAST } normal  
 BRIGHTNESS }
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3-1~3-3)
4. Move the deflection yoke forward, and adjust so that the entire screen becomes red.
5. Switch over the raster signal to blue and green and confirm the condition.
6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
7. When landing at the corners is not right, adjust by using the magnet. (Fig. 3-4)

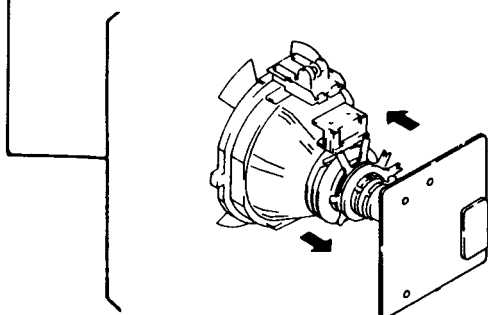


Fig. 3-1

purity control

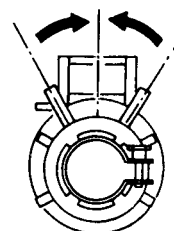


Fig. 3-2

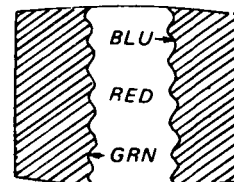


Fig. 3-3

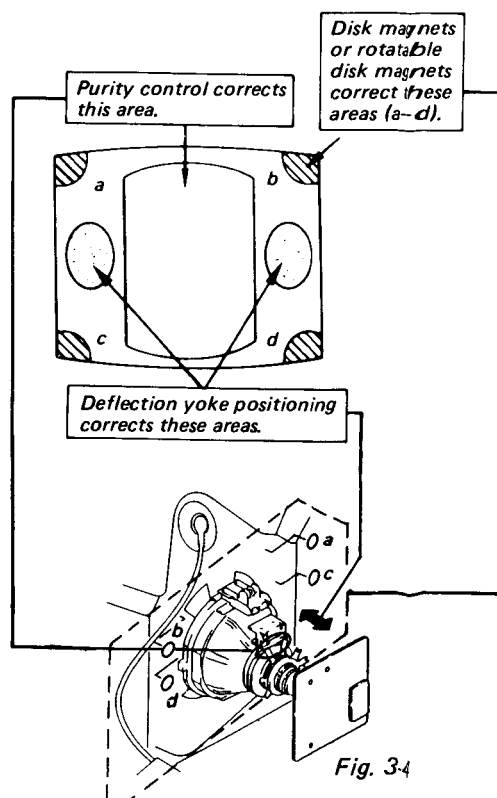


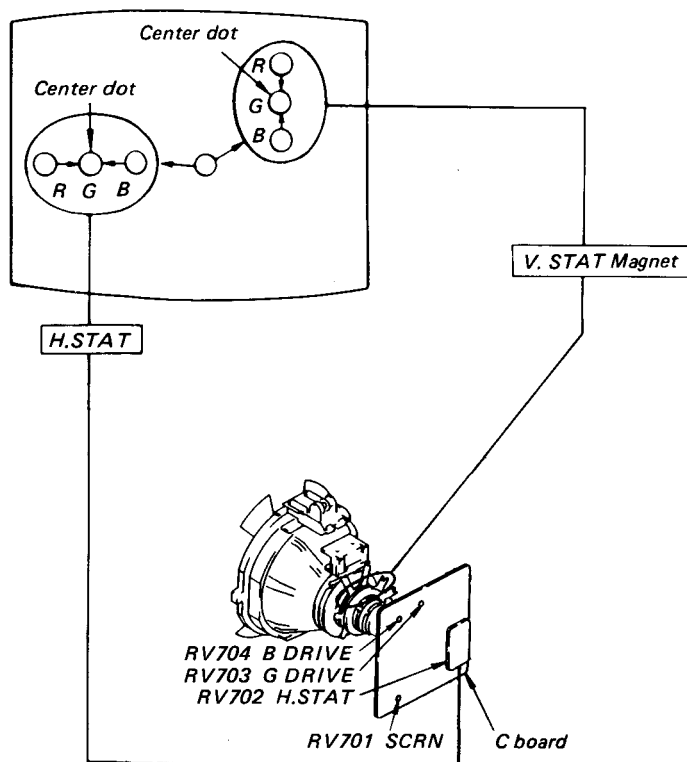
Fig. 3-4

### 3-2. CONVERGENCE

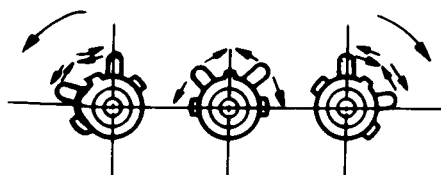
#### Preparation:

- Before starting, perform FOCUS, H. SIZE, V. SIZE and V. LIN adjustments.
- Set BRIGHTNESS control to fully minimum.
- Feed in the dot pattern.

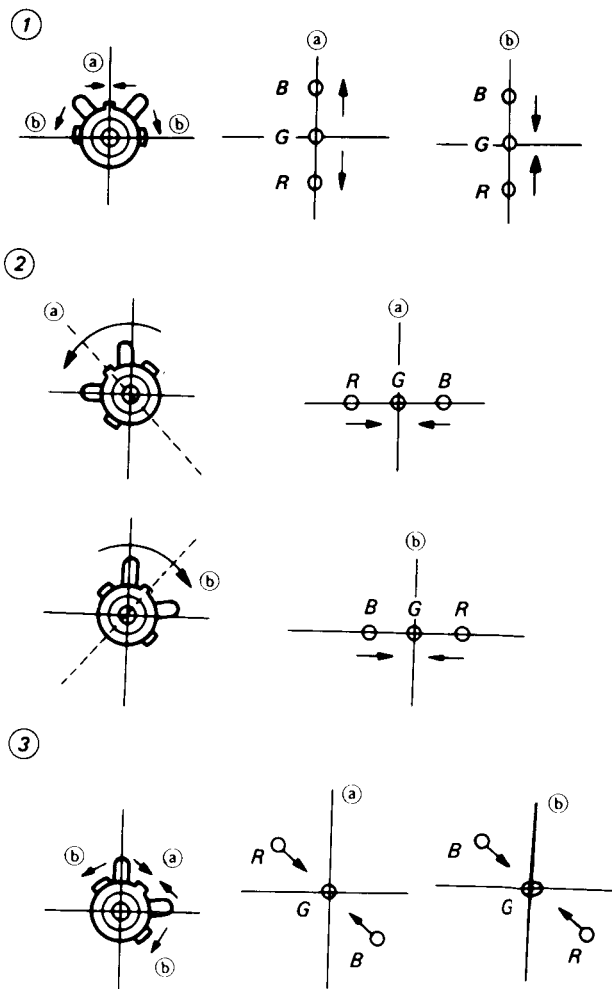
#### (1) Horizontal and Vertical Static Convergence



1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen (Horizontal movement)
  2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen (Vertical movement)
  3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



4. When the V. STAT magnet is moved in the direction of arrow (a) and (b), Red, Green and Blue dots move as shown below.

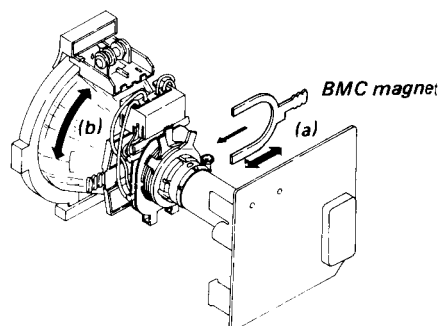


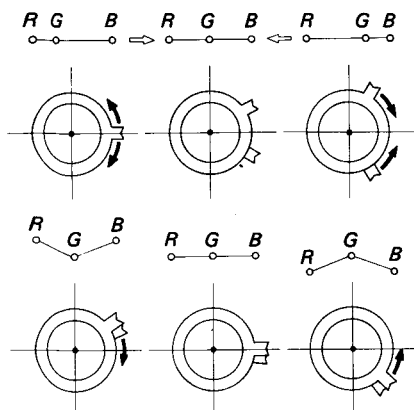
If the red and blue dots do not coincide with green dot, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

Rotate BMC magnet (b) to correct insufficient V. static convergence.

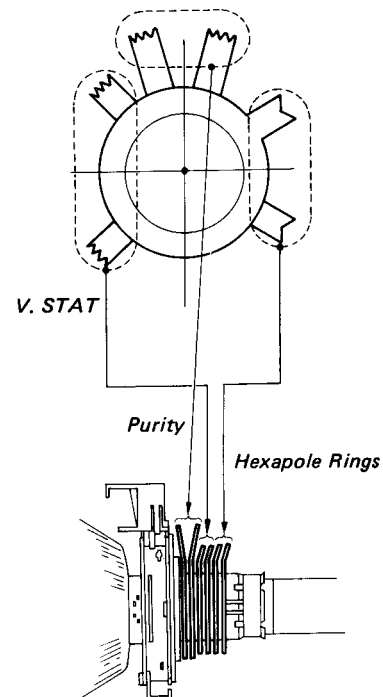
In either case, repeat Beam Landing Adjustment.



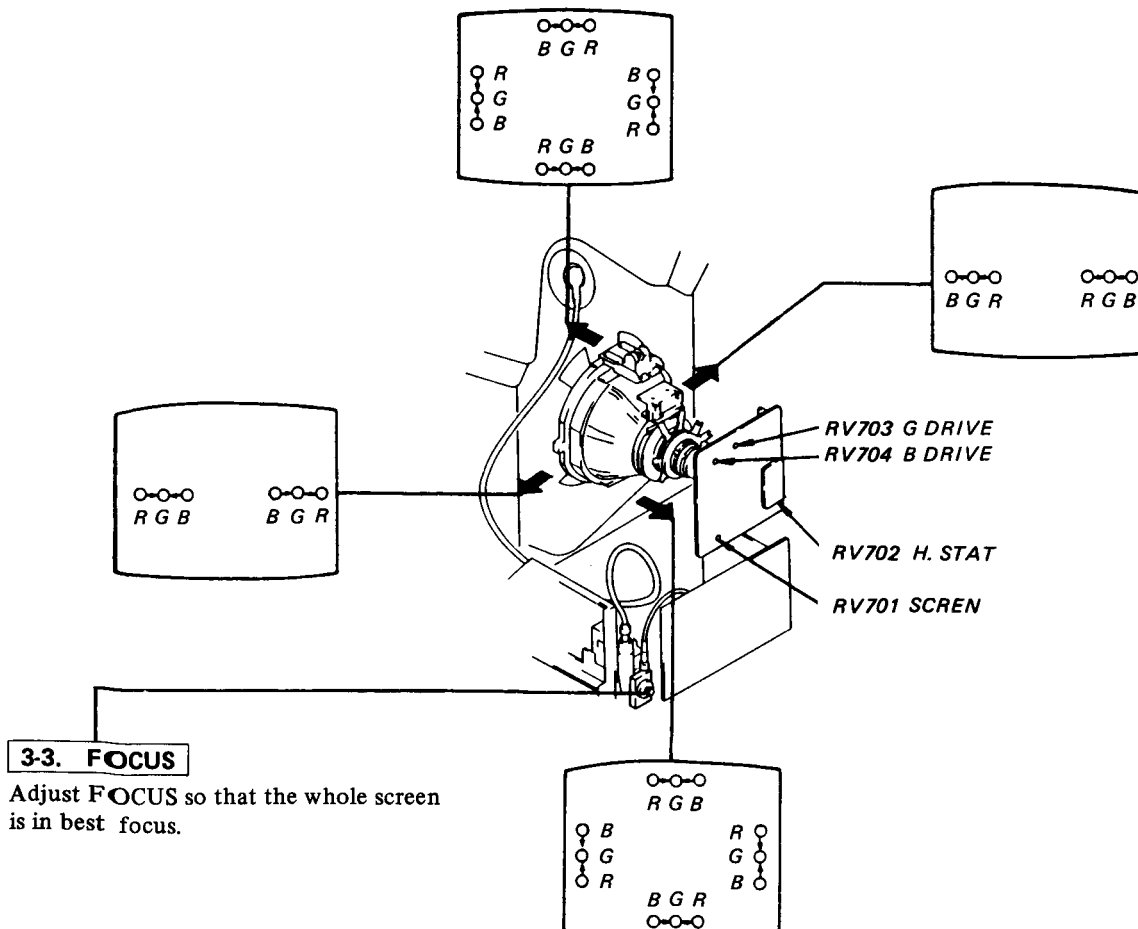
**(2) Operation of Hexapole Ringed Magnet**

The respective dot operations resulting from the operation of each magnet are not completely independent, so be sure to perform adjustment while tracking.

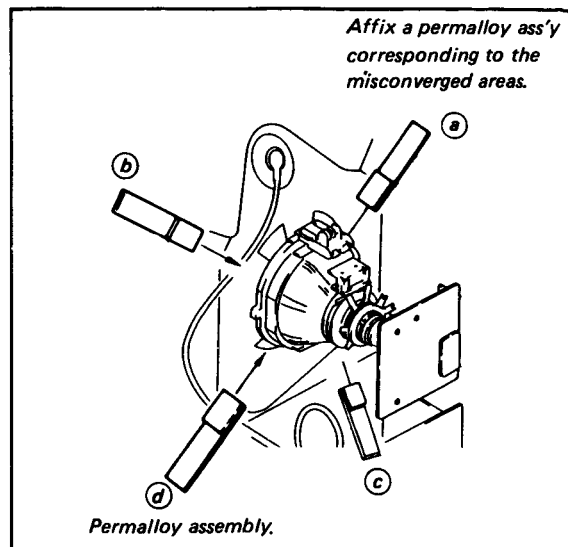
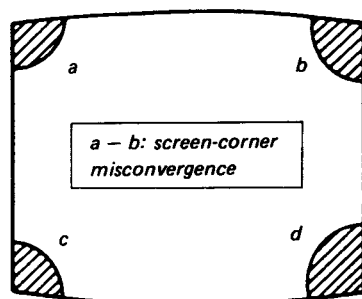
Use the H. STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

**(3) Dynamic Convergence Adjustment****Preparation:**

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
1. Loosen deflection yoke screw.
  2. Remove deflection yoke spacers.
  3. Move the deflection yoke for best convergence as shown below.
  4. Tighten the deflection yoke screw.
  5. Install the deflection yoke spacers.



(4) Screen-corner Convergence



**3-4. WHITE BALANCE**

**[ Scree (G2) Setting ]**

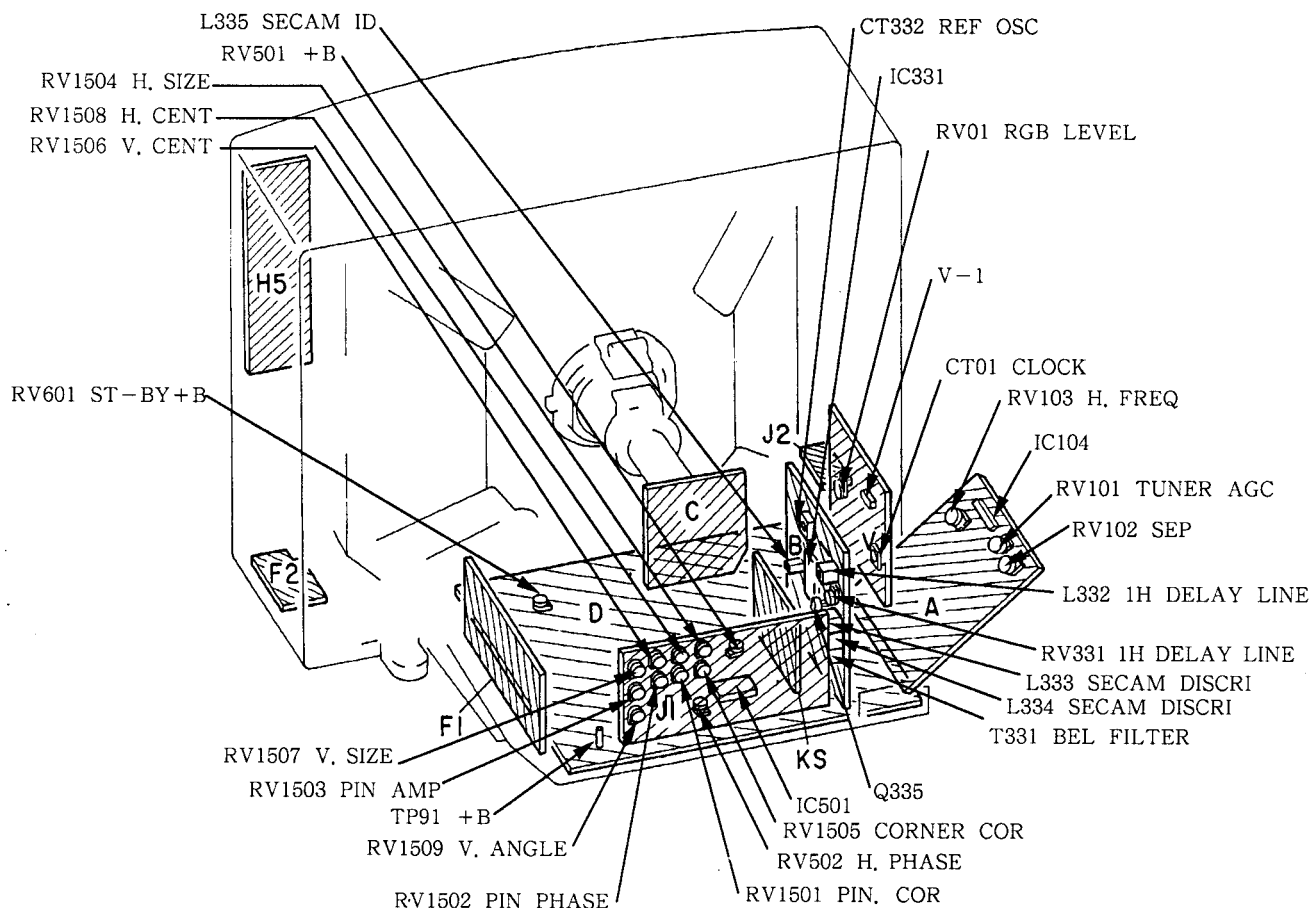
1. Receive a dot signal from the pattern generator.
2. Set the picture brightness control to the minimum level.
3. Apply 170V<sub>DC</sub> to the cathodes of R, G, and B from an external power source.
4. Adjust the G2 volume knob (RV701) immediately before the fly-back line disappears while watching the picture.

**[ White Balance Adjustment ]**

1. Receive an all-white signal from the pattern generator.
2. Adjust the picture brightness and color control to the standard level.
3. Adjust the white balance using RV704 (B DRIVE) and RV703 (G DRIVE).

In following adjustment the condition of CONTRAST COLOR and BRIGHTNESS are normal unless otherwise specified.

## SECTION 4 CIRCUIT ADJUSTMENTS



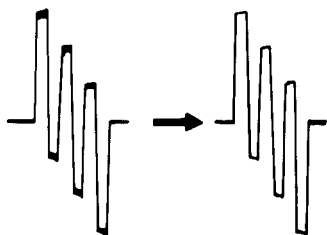
### 4-1. B BOARD ADJUSTMENTS

#### REF OSC Adjustment (CT332)

1. Input PAL COLOR BAR signal.
2. Short circuit between pin (17) of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove a jumper wire from IC331.

#### 1H DELAY LINE Adjustment (L332, RV331)

1. Input a PAL COLOR BAR.
2. Connect the oscilloscope to Pin (3) (B-Y) of IC331 and observe the waveform of the H block on the oscilloscope.
3. Adjust L332 to minimize the double waveform outline.

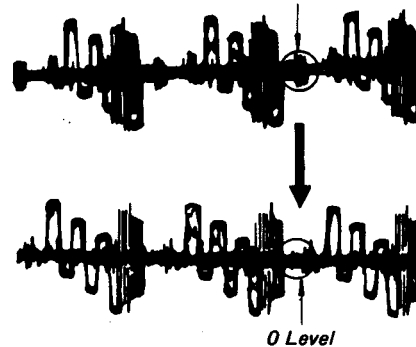


Before Adjustment      After Adjustment

4. Input a TEST COLOR BAR.

5. Rotate the RV331 control and adjust till the ANT PAL of the waveform part matches the 0 level.

This part matches the 0 level.



6. L332 and RV331 affect each other. Repeat till the conditions of both meet.

#### SECAM ID Adjustment (L335)

1. Input SECAM COLOR BAR signal.
2. Connect a Digital Multi-meter at pin (21) of IC331.
3. Adjust L335 so that the indicator goes up to the maximum.

#### BELL FILTER Adjustment (T331)

1. Input SECAM COLOR BAR signal.
2. Connect an oscilloscope to the emitter of Q335.
3. Adjust T331 so that the waveform becomes flat. (fig. 1)

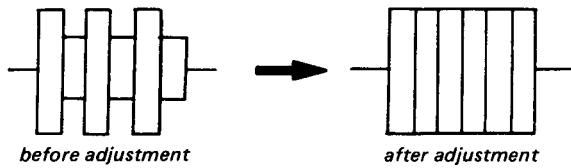
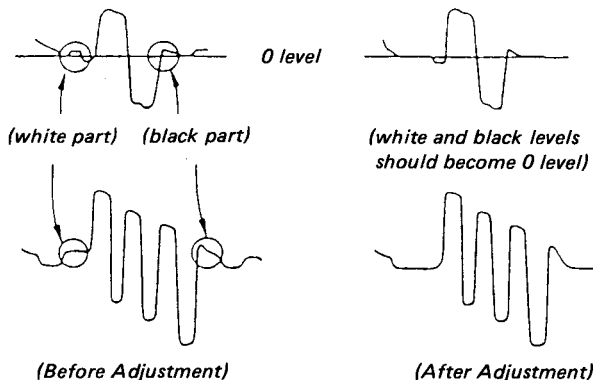


fig. 1

#### SECAM DISCRI Adjustment (L333, L334)

1. Input SECAM COLOR BAR signal.
2. Connect an oscilloscope at pin ① of IC331.
3. Adjust L333 so that white and black part of the waveform of pin ① becomes 0 level. (fig 1)
4. Connect an oscilloscope at pin ③ of IC331.
5. Adjust L334 so that white and black part of the waveform of pin ③ becomes 0 level. (fig 2)



#### 4-2. D BOARD ADJUSTMENTS

##### +B Adjustment (RV501)

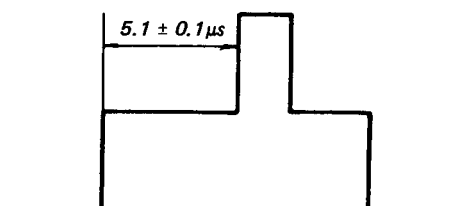
1. Connect a digital multimeter to TP91.
  2. Adjust RV501 so that the voltage becomes  $135 \pm 0.2V$ .
- \*Adjust within 30 sec to 60 sec after the power is turned on.

##### ST-BY +B Adjustment (RV601)

1. Set up (⏻) standby (Remote Commander) mode.
2. Connect the digital multimeter to TP91.
3. Adjust RV601 so that the voltage becomes  $135 \pm 3V$ .
4. Release the (⏻) standby (Remote Commander) mode.

##### H PHASE Adjustment (RV502)

1. Input the PAL TEST COLOR BAR signal.
2. Set the CONTRAST and BRIGHTNESS controls to the standard positions.
3. Set RV1508 (H CENT) to the mechanical centre position.
4. Connect an oscilloscope to Pin ⑪ (SPC OUT) of IC501.
5. Rotate RV502 and adjust Block to  $5.1 \pm 0.1\mu s$ .



#### 4-3. A BOARD ADJUSTMENT

##### H. FREQ. Adjustment (RV103)

1. Input PAL COLOR.
2. Short circuit between pin ⑫ of IC104 and ground.
3. Connect a frequency counter to the pin ⑥ of IC104 through a probe of 10:1.
4. Adjust RV103 so that H. frequency becomes  $15,625 \pm 50Hz$ .

##### TUNER AGC Adjustment (RV101)

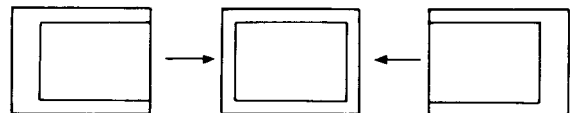
1. Tune in an off-air signal.
2. Adjust RV101 so that snow-noise and cross-modulation just disappear from the picture.

##### STEREO SEPARATION Adjustment (RV102)

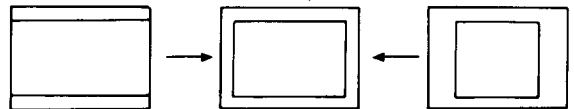
1. Receive a stereo signal (L-CH 1kHz, R-CH 400Hz)
2. Confirm the stereo indicator.
3. Connect an oscilloscope to the pin ① (L) of CNA11 through band pass filter of 1kHz.
4. Adjust RV102 so that 1kHz voltage goes down to the minimum.

#### 4-4. J<sub>1</sub> BOARD ADJUSTMENTS

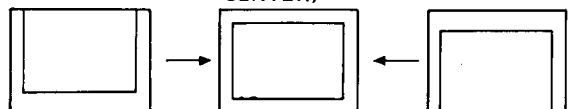
##### RV1508 H.CENT (HORIZONTAL CENTER)



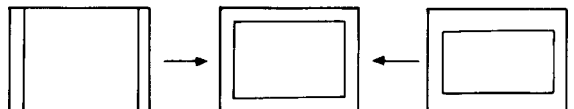
##### RV1504 H.SIZE (HORIZONTAL SIZE)

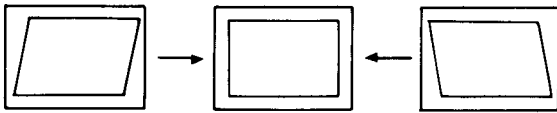
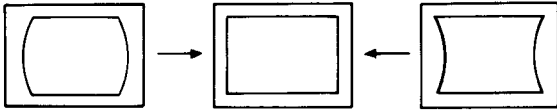
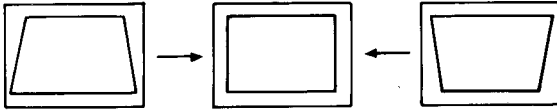
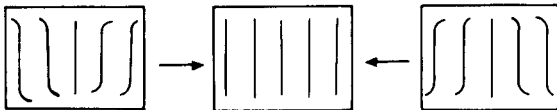
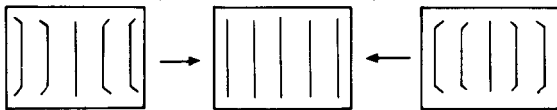


##### RV1506 V.CENT (VERTICAL CENTER)



##### RV1507 V.SIZE (VERTICAL SIZE)



**RV1509  
V.ANGLE (VERTICAL ANGLE)****RV1503  
PIN AMP (PINCUSHION AMPLIFIER)****RV1502  
PIN PHASE (PINCUSHION PHASE)****RV1501  
PIN. COR (PINCUSHION CORRECT)****RV1505  
CORNER. COR (CORNER CORRECT)****4.5. V BOARD ADJUSTMENTS (KV-25XSTD ONLY)****Clock Adjustment (CT01)**

1. Disconnect the V-1 connector.
2. Set up the **TELETEXT** mode.
3. Adjust CT01 to stop picture from scrolling.

**RGB Level Adjustment (RV01)**

1. Set **PICTURE** to maximum.
2. Adjust RV01 till the RGB output becomes 0.65 V.

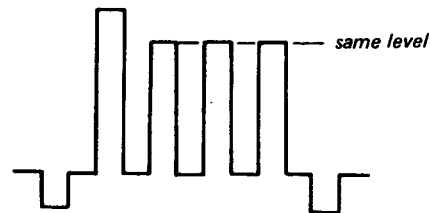
**4.6 SUB ADJUSTMENTS****SUB BRIGHTNESS Adjustment**

1. Receive and display a **TEST COLOR BAR** pattern.
2. Push →← with the remote controller to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the **SUB** button (S1414). (SUB mode is invoked.)
5. Reduce the ● **CONTRAST** to the minimum level.
6. Adjust the ☀ **BRIGHTNESS** control until the 0 IRE of the gray scale becomes completely cut off, and the 20 IRE becomes barely luminous.

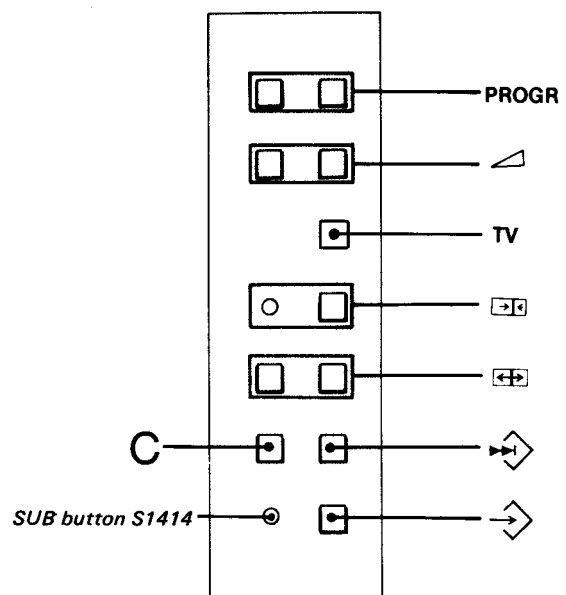
7. Push the **AFT** button (SUB mode is cleared).  
Where no **TEST COLOR BAR** pattern is available.
  1. Display a **COLOR BAR** pattern.
  2. Push →← with the remote commander to invoke the normal state.  
Set the ● **COLOR** to **BLACK/WHITE**, the mode, 3 ~ 5 are the same as above.
  6. Adjust the ☀ **BRIGHTNESS** control until 20 IRE, which is close to blue, until blue lights faintly.
  7. Same as above.
  8. Push →← with the remote commander to invoke the normal state.
- \* When "4" is executed correctly, S (SUB mode) is displayed on the upper right corner of the display. As S is displayed only for 30 seconds, adjust within 30 seconds, or repeat from 4 again.

**SUB COLOR Adjustment**

1. Display a **COLOR BAR** pattern.
2. Push →← with the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the **SUB** button (S1414). (SUB mode is invoked).
5. Adjust the **COLOR** control until the B out (Pin ②) of CNC72 connector on C board) waveform becomes as shown below.
6. Push the **AFT** button. (SUB mode is cleared.)

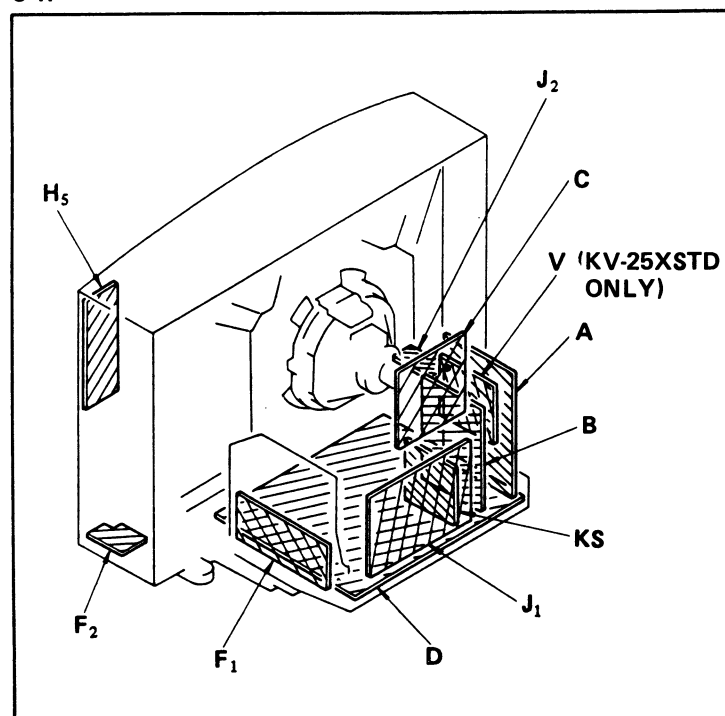


- \* When "4" is executed correctly, S (SUB mode) is displayed at the upper right corner of the display. As S (SUB mode) is displayed only for 30 seconds, adjust quickly, or restart from 4 again.

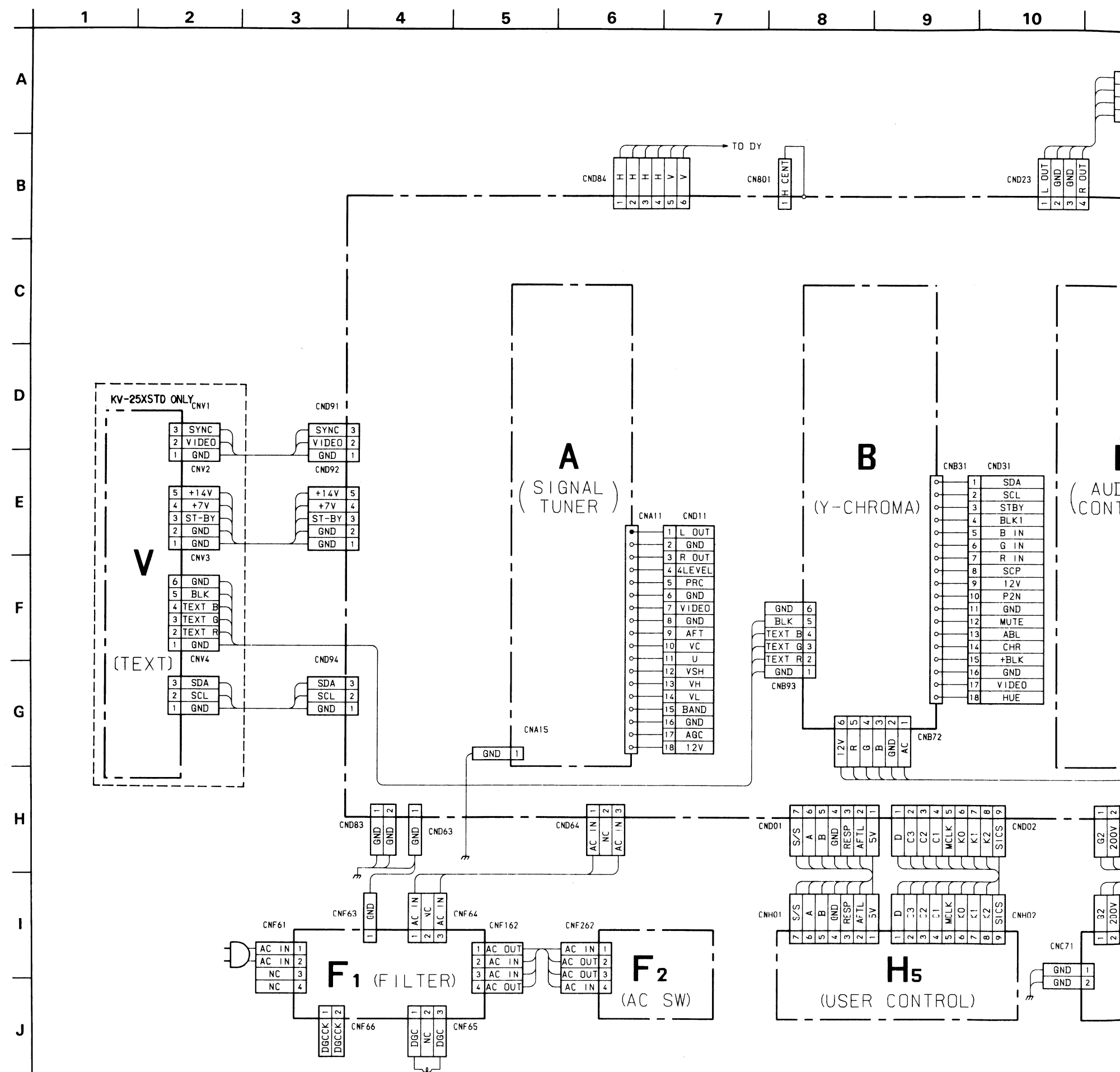


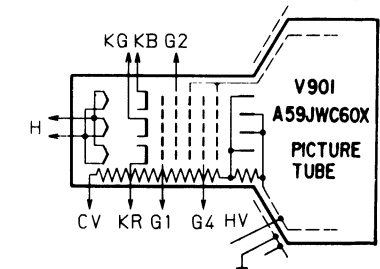
SECTION 5  
DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



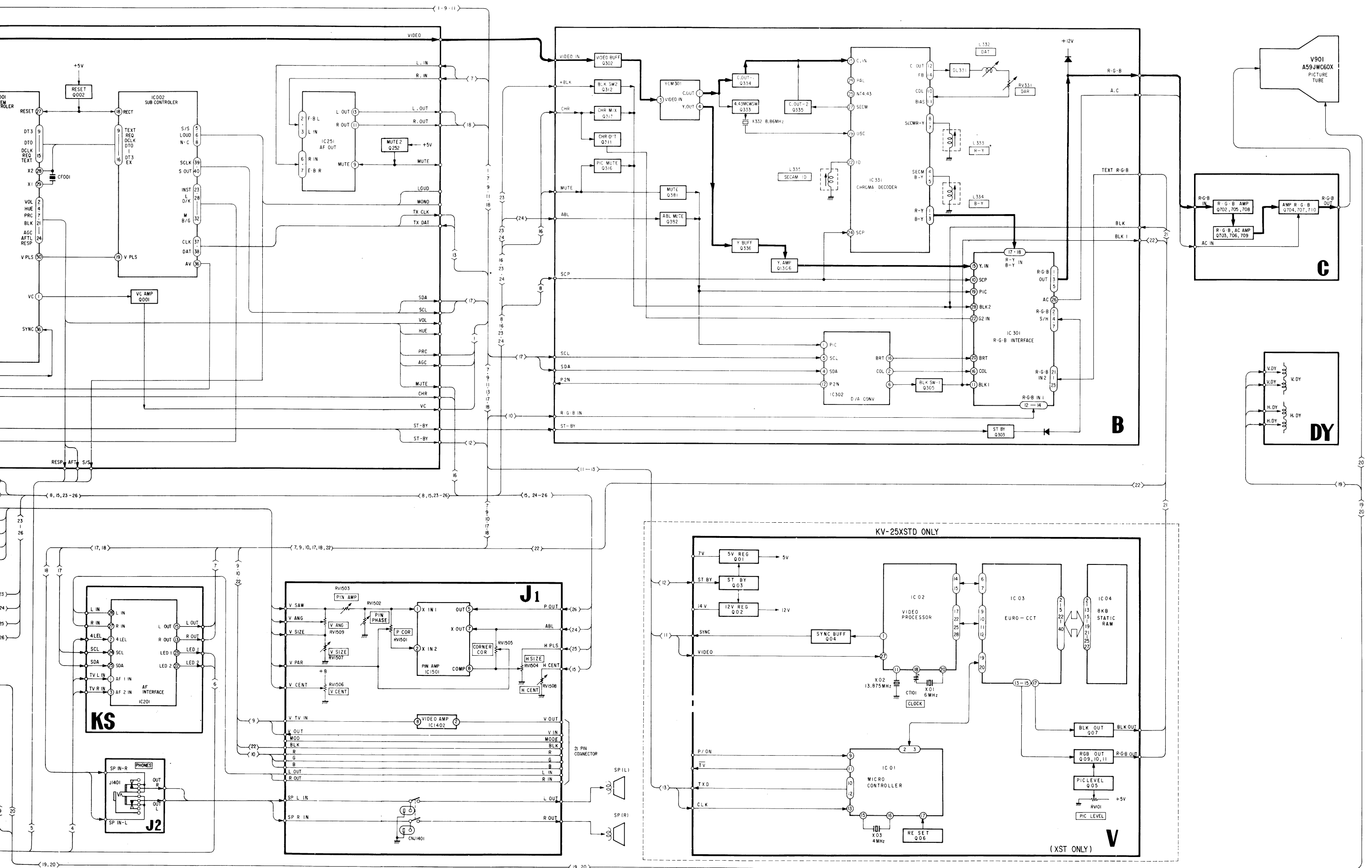
5-2. FRAME SCHEMATIC DIAGRAM.





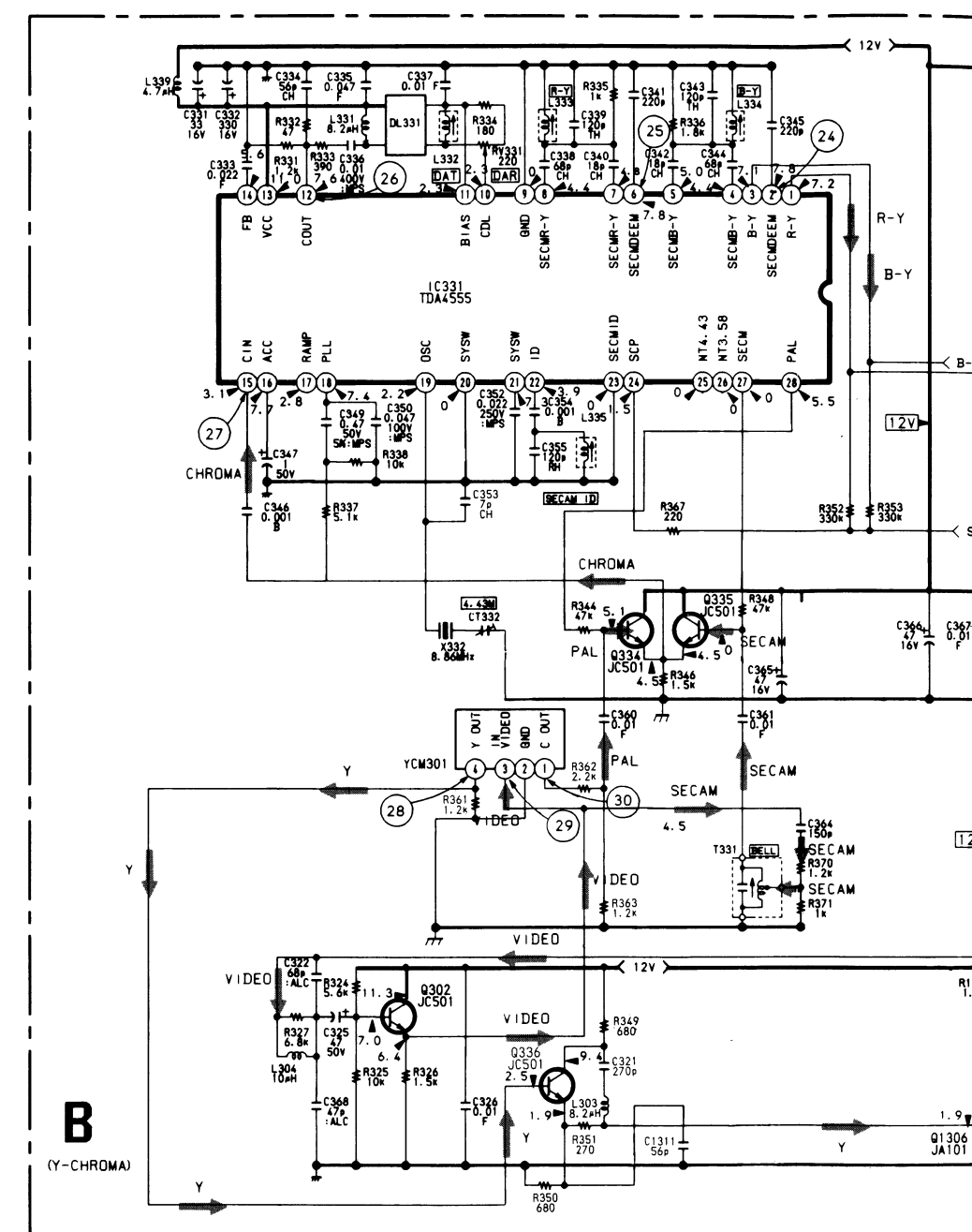
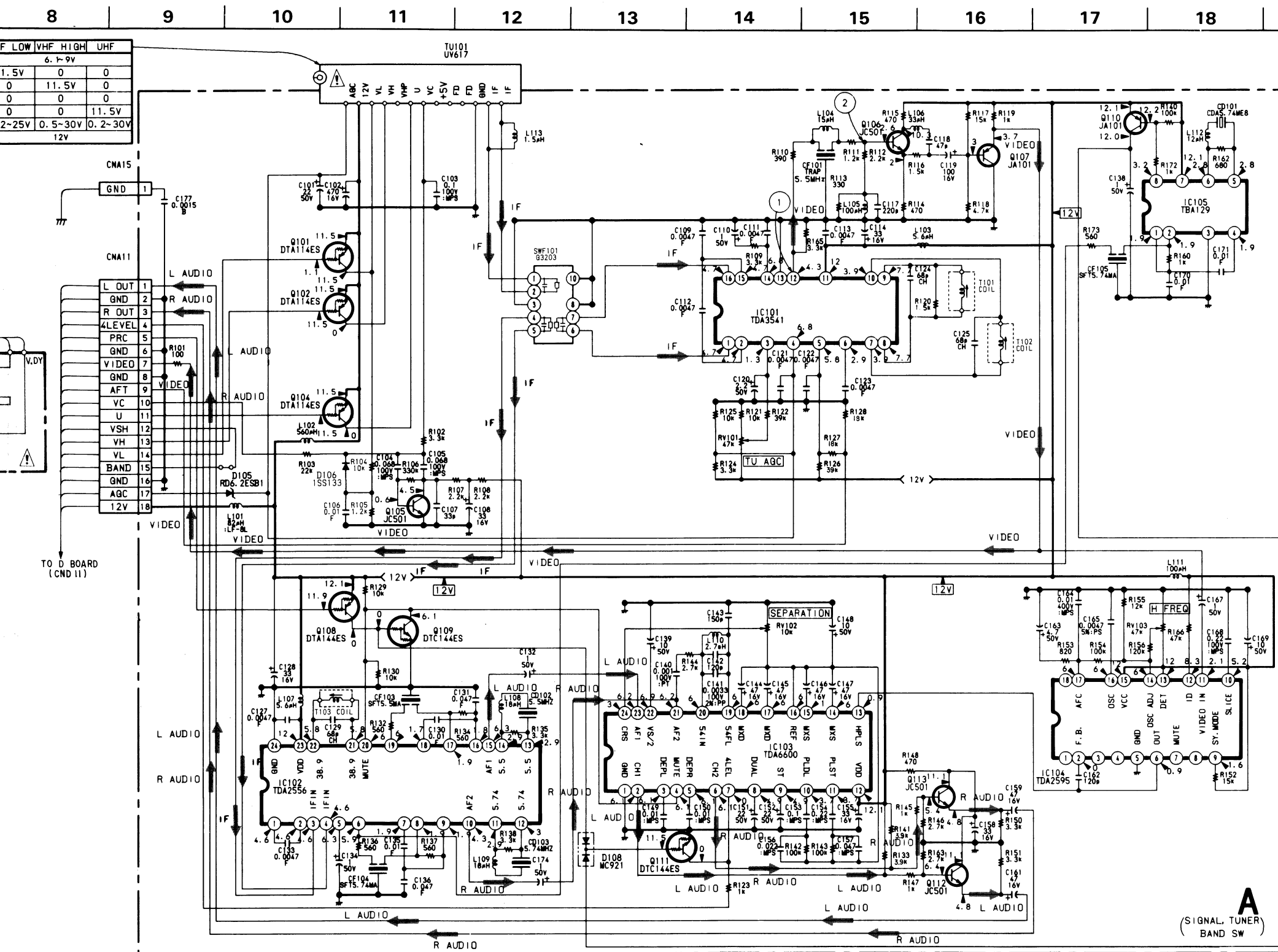
**KV-25XSD/25XSTD**  
**RM-673**

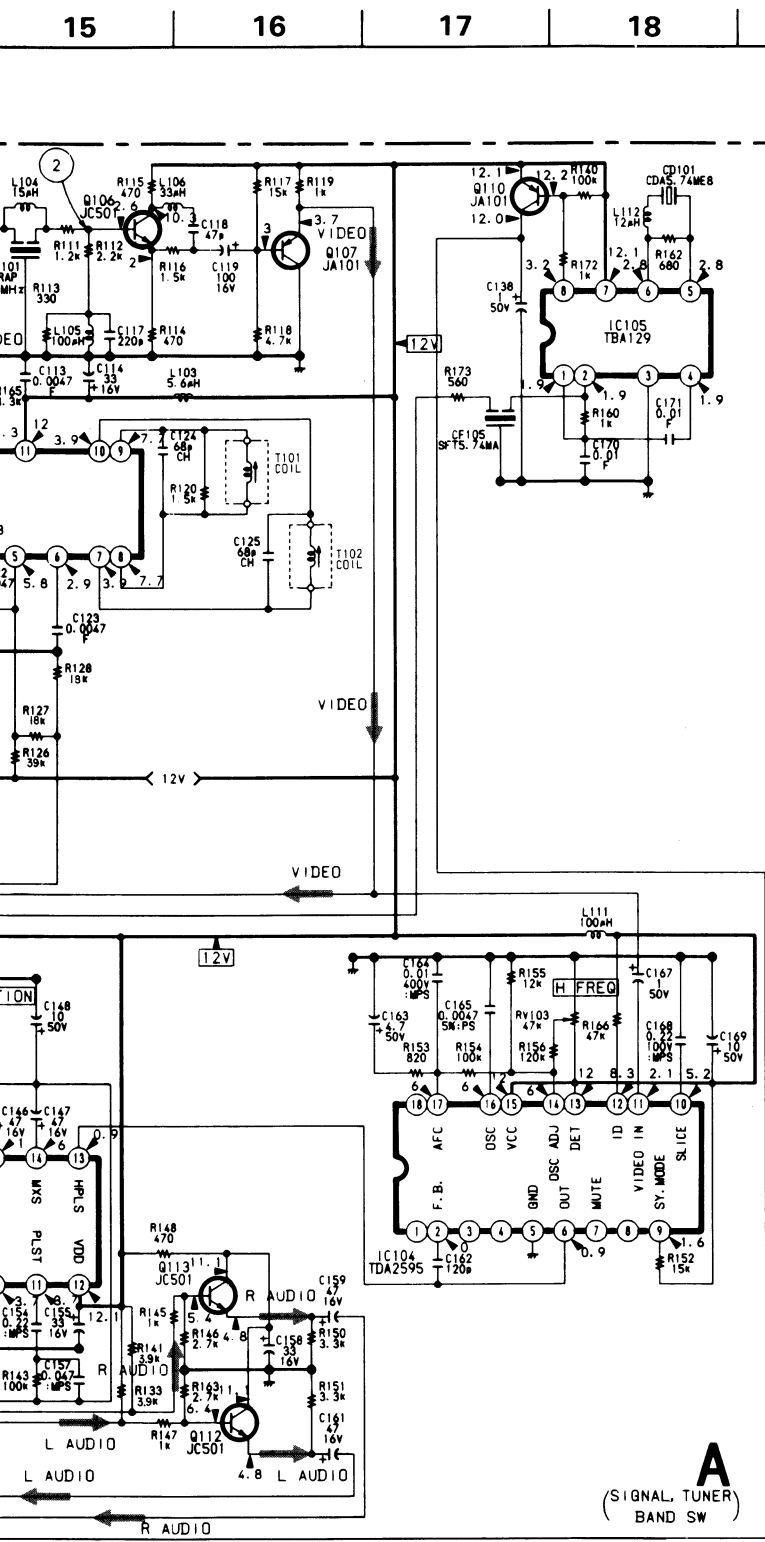




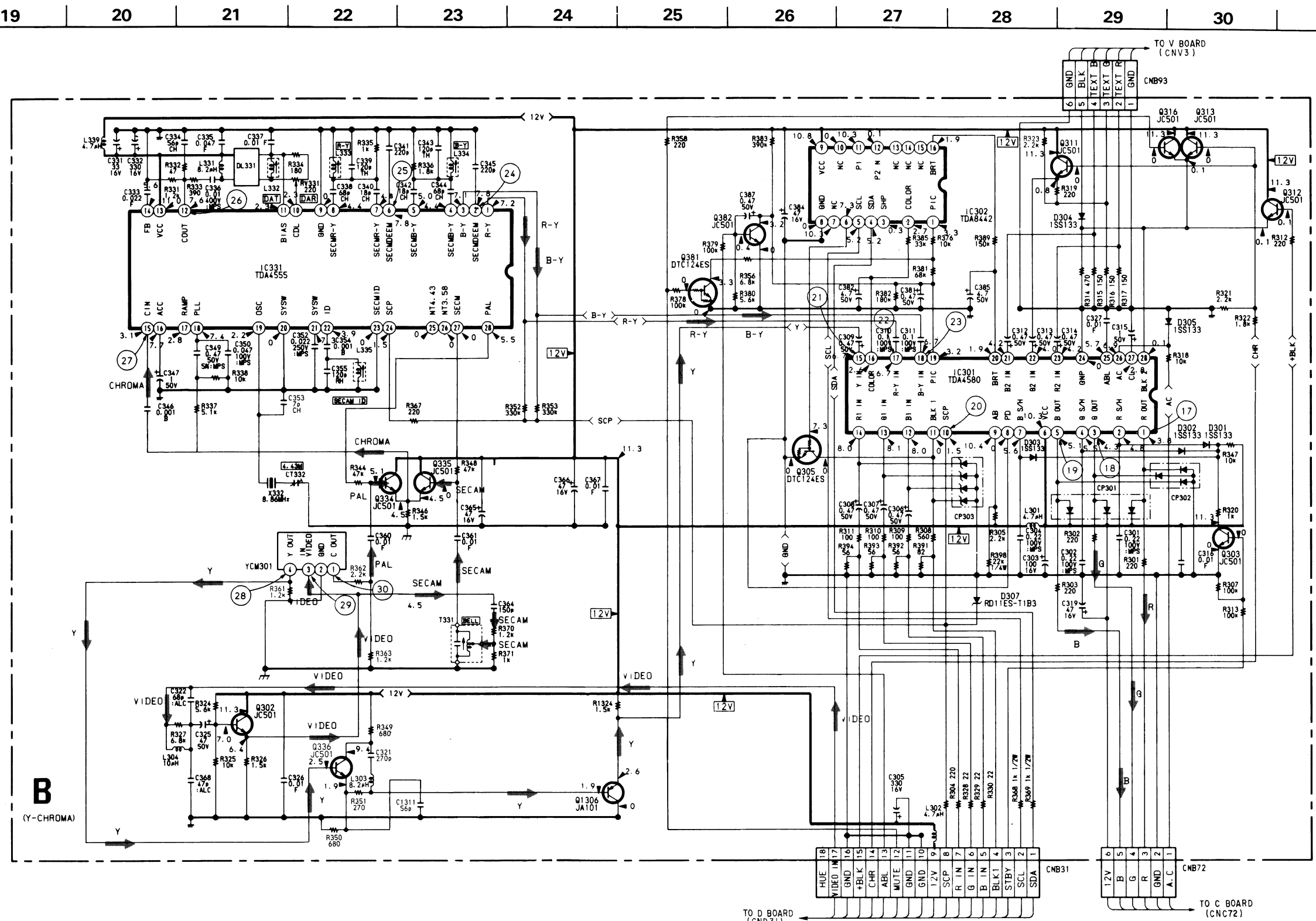
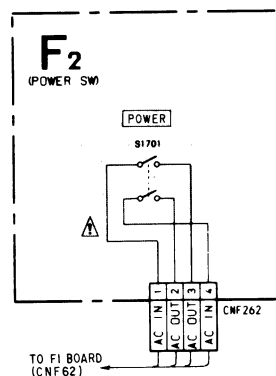


A	IC 101	TDA3541	VIF	104	DTA114ES	BAND U
	102	TDA2556	SIF	105	JC501	VC FILTER
	103	TDA6600	SIF FM ID	106	JC501	BUFF AMP
	104	TDA2595	SYNC SEP	107	JA101	BUFF AMP
	105	TBA129	SIF	108	DTA144ES	PRC SW
				109	DTC144ES	PRC SW
	Q 101	DTA114ES	BAND-L	110	JA101	SYSTEM S
	102	DTA114ES	BAND-H	111	DTC144ES	MONO SW





BUFF L
BUFF R
ARCH AGC
STOP
STEM SW



B	IC 301	TDA4580	RGB INTERFACE	313	JC501	CHR MIX	D 301	1SS133	ST BY MUTE-1
	302	TDA8442	D/A CONVERTOR	316	JC501	PIC MUTE	302	1SS133	ST BY MUTE-2
	331	TDA4555	CHROMA DECODER	334	JC501	CHROMA OUT-1	303	1SS133	ST BY MUTE-3
				335	JC501	CHROMA OUT-2	304	1SS133	BLK SW
	Q 302	JC501	VIDEO BUFF	336	JC501	Y BUFF	305	1SS133	ADD
	303	JC501	ST BY SW	381	DTC124ES	MUTE	307	RD11ES-B3	ADD
	305	DTC124ES	BLK SW-1	382	JC501	ABL MUTE			
	311	JC501	CHR OUT	1306	JA101	Y BUFF			
	312	JC501	BLK SW-2						

**A**

**B**

**C**

D

## E

**F**

## G

H

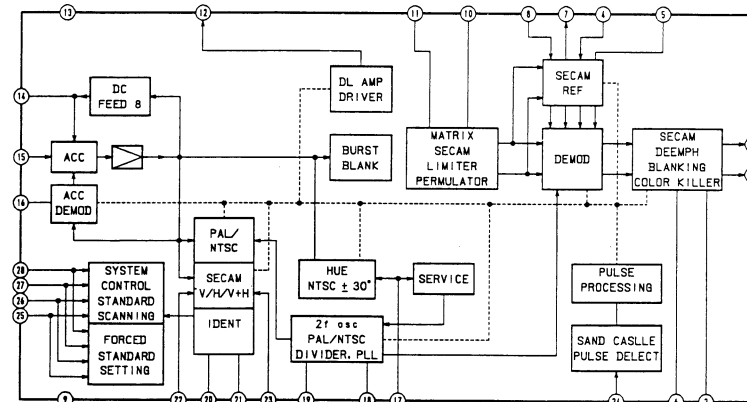
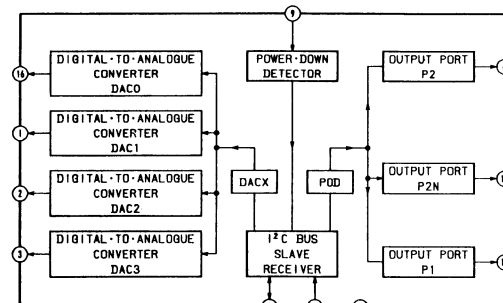
1

J

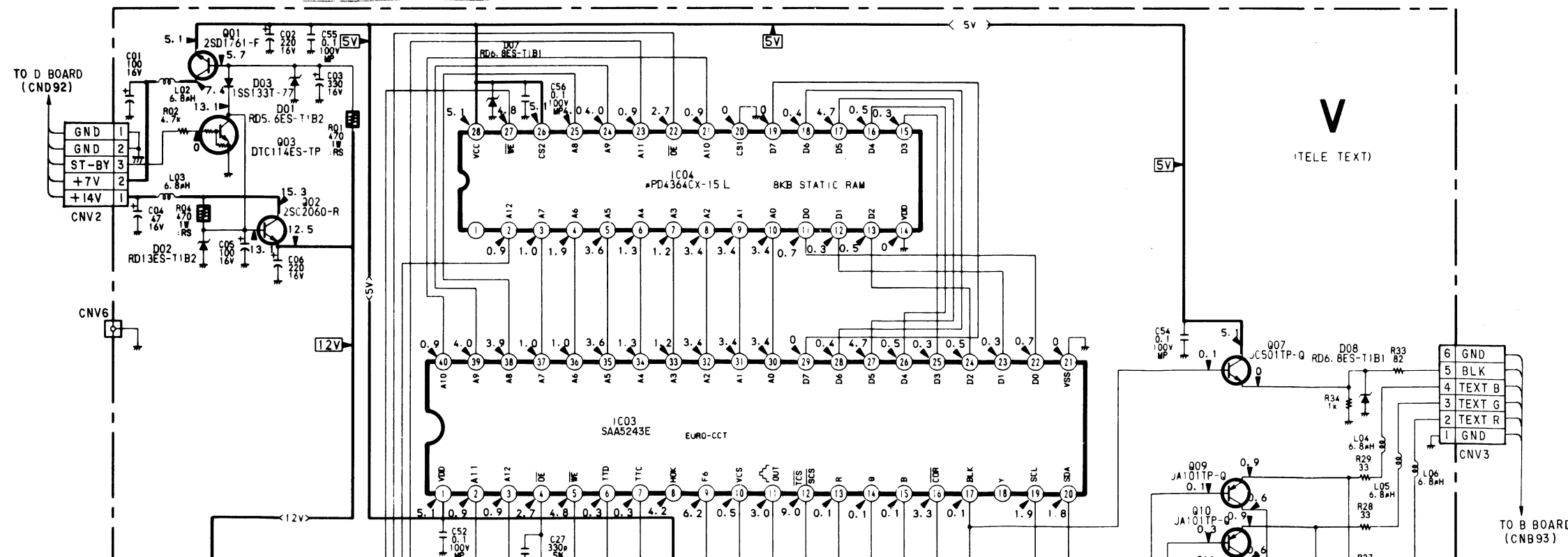
## K

- **B BOARD WAVEFORM**

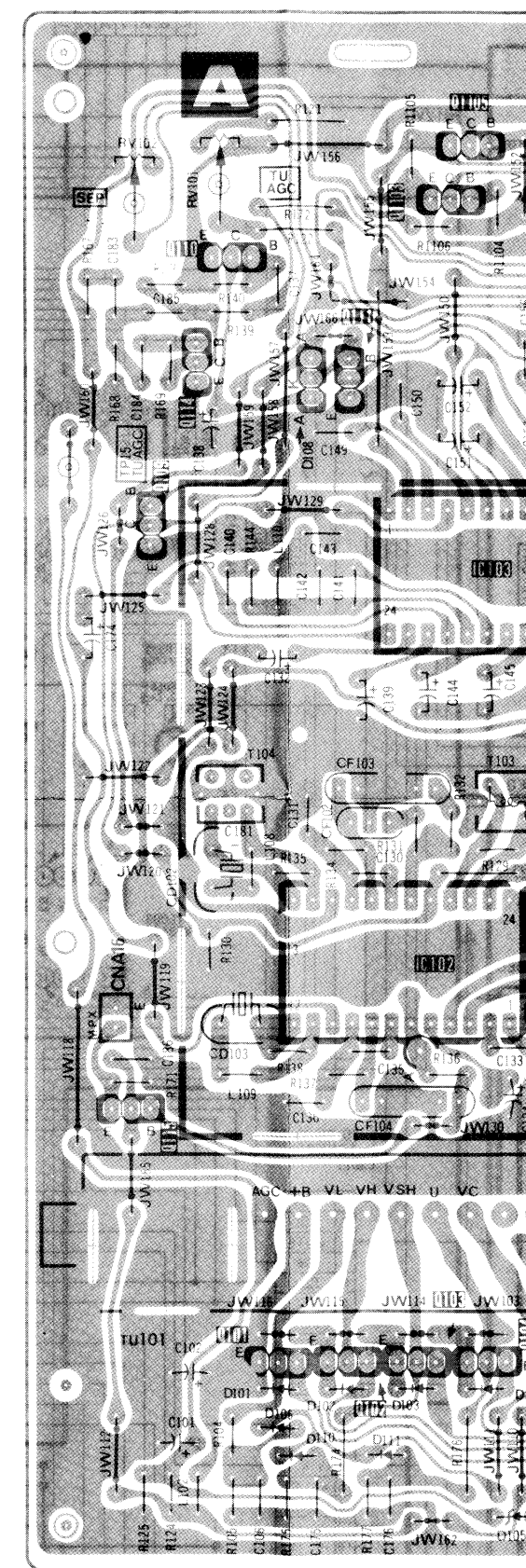
- **V BOARD WAVEFORM**



**(KV-25XSTD ONLY)**



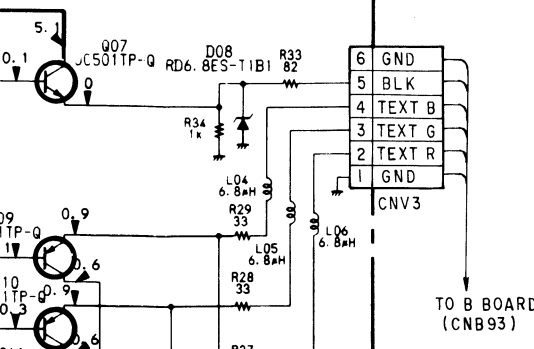
— A Board —



— F<sub>2</sub> Board —

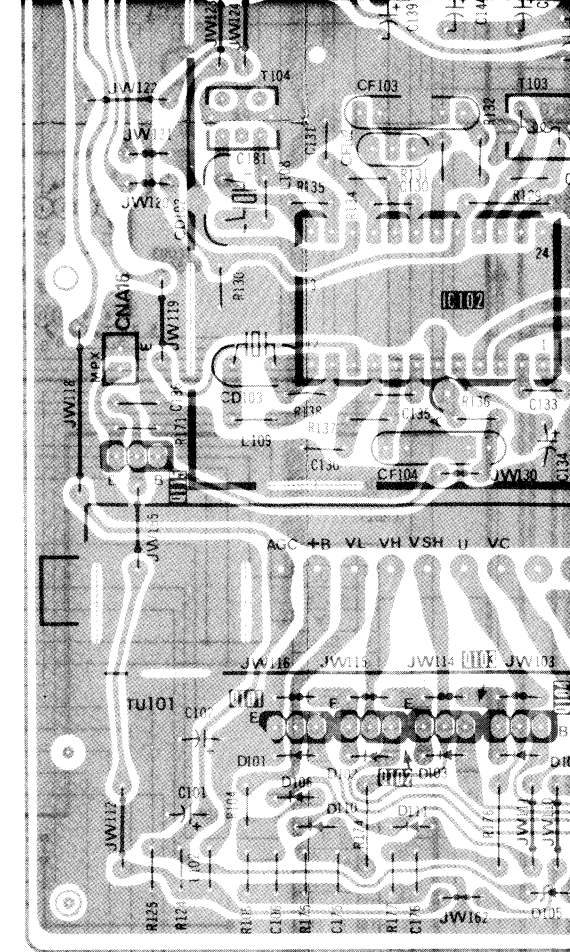
<p>60</p>  <p>3.5Vp-p (4 MHz)</p>	<p>64</p>  <p>2.9Vp-p (H)</p>
<p>61</p>  <p>0.56Vp-p (8.75 MHz)</p>	<p>65</p>  <p>0.4Vp-p (6 MHz)</p>
<p>62</p>  <p>1Vp-p (H)</p>	
<p>63</p>  <p>1Vp-p (H)</p>	

(TELE TEXT)

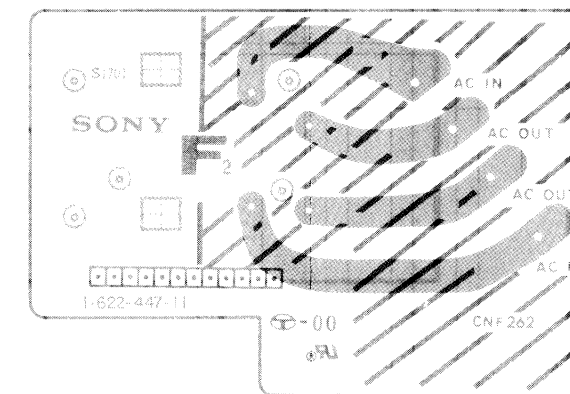




**(KV-25XSTD ONLY)**

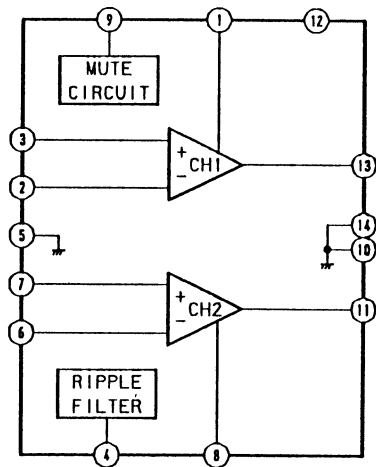


— F<sub>2</sub> Board —

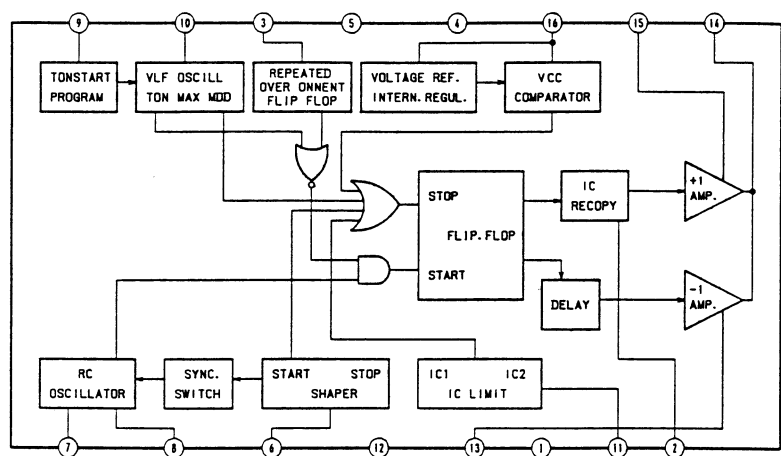


V	IC 01	MAB8461P-W083	MICRO CTL
	02	SAA5231	VIDEO PROCESSOR
	03	SAA5243E	EURO CCT
	04	#PD4364CX-15L	8KB STATIC RAM
	Q 01	2SD1761-F	5V REG
	02	2SC2060-R	12V REG
	03	DTC114ES	ST BY
	04	JC501TP	SYNC BUFF
	05	2SC2060-R	PIC LEVEL
	06	JC501TP	RESET
	07	JC501TP	BLK OUT
	09	JA101TP	B OUT
	10	JA101TP	G OUT
	11	JA101TP	R OUT
	D 01	RD5.6ES-B2	5V REG
	02	RD13ES-B2	12V REG
	03	1SS133	ST BY
	04	RD3.6ES-B2	RESET
07	RD6.8ES-B1	PROTECT-1	
08	RD6.8ES-B1	PROTECT-2	

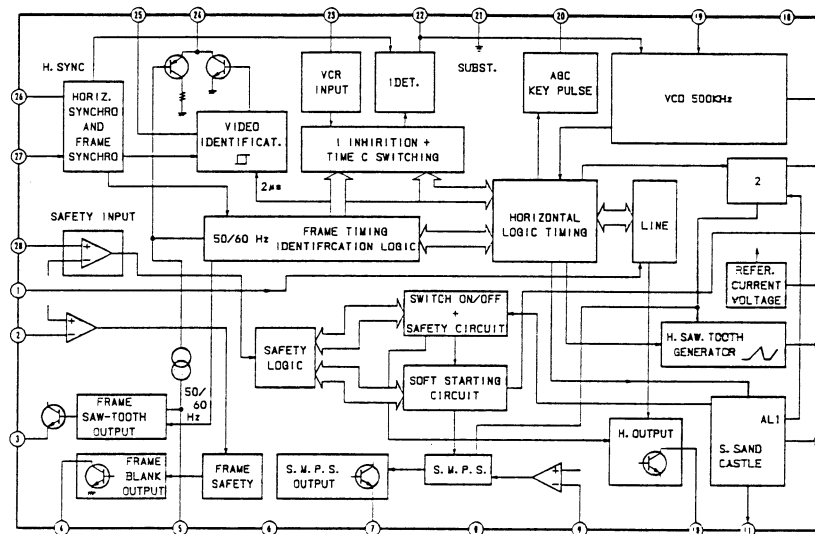
**D BOARD IC251 LA4280**



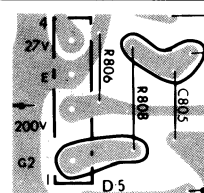
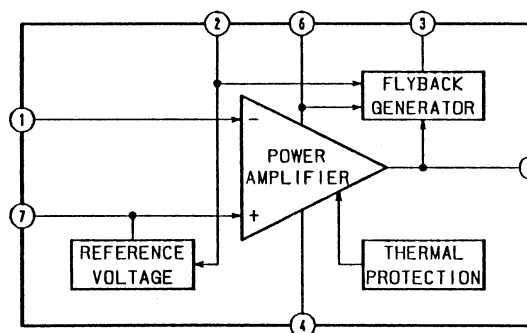
**D BOARD IC601 TEA2164**



**D BOARD IC501 TEA2028A**



**D BOARD IC502 TDA8170**



**NOTE:**

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

## PRINTED WIRING BOARDS (2)

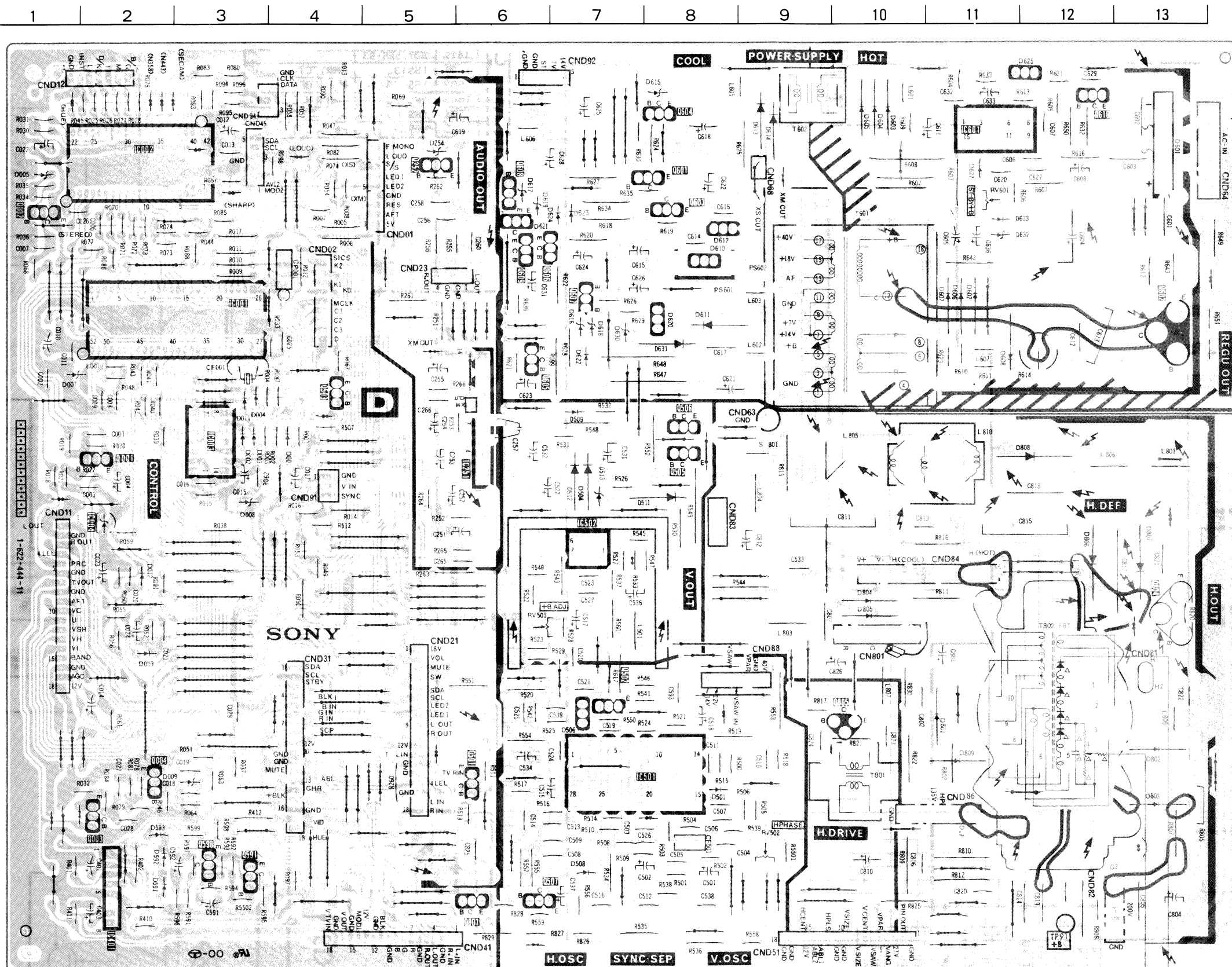
[AF OUT, Y-CHROMA]  
[JUNGLE, V-H DEF]

D

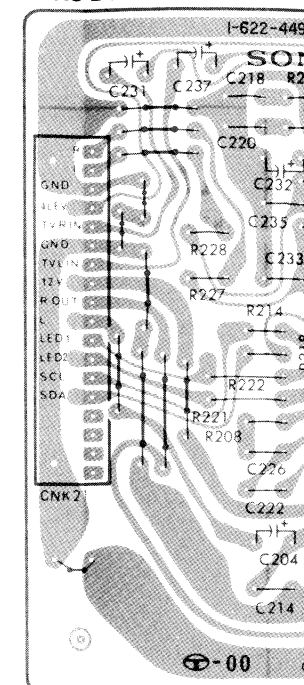
KS

[S

- D Board -

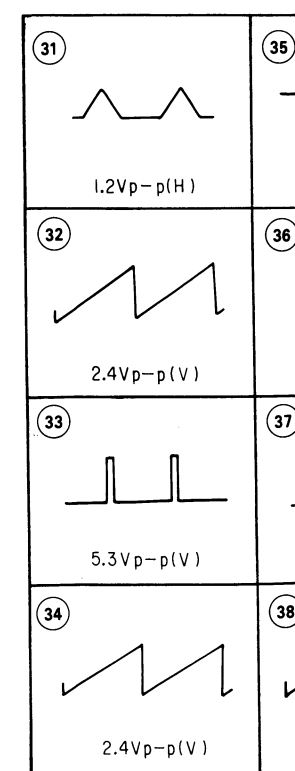


- KS Board -



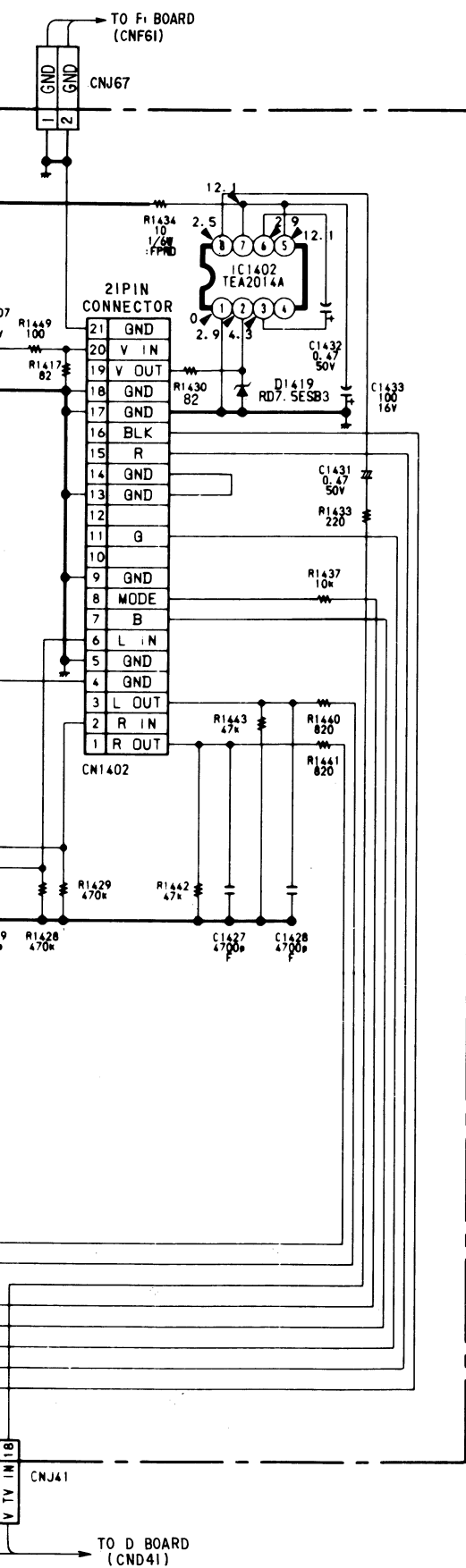
IC		DIODE	
IC001	D-3	D001	E-4
IC002	B-2	D002	F-3
IC003	F-3	D003	F-3
IC004	F-2	D004	D-3
IC251	E-6	D005	B-1
TRANSISTOR			
Q001	E-2	D254	B-5
Q002	B-1	D501	I-8
Q003	I-2	D504	E-7
Q004	H-2	D506	H-7
Q252	B-6	D508	I-7
Q501	H-6	D511	F-8
Q502	H-7	D512	E-7
Q503	D-4	D513	E-7
Q505	E-8	D591	J-2
Q506	E-8	D592	I-2
Q507	J-6	D593	I-2
Q591	I-3	D601	B-13
Q598	I-3	D602	C-11
Q601	B-8	D603	A-10
Q602	D-13	D604	A-10
Q603	B-8	D605	A-10
Q604	A-8	D606	C-11
Q605	D-6	D607	C-11
Q606	C-7	D608	D-11
Q607	C-7	D610	C-8
Q608	B-6	D611	D-8
Q609	O-6	D612	C-8
Q801	J-6	D613	A-9
Q804	G-13	D614	B-9
Q805	H-10	D615	A-8
		D616	D-7
		D617	B-6
		D618	D-7
		D619	B-6
		D620	D-8
		D621	C-6
		D622	D-7
		D623	C-7
		D624	C-7
		D627	B-11
		D630	D-7
		D632	C-11
		D633	C-11
		D801	H-11
		D802	H-13
		D803	I-13
		D804	G-10
		D805	G-10
		D806	F-12
		D808	E-12
		D809	H-11
		VARIABLE RESISTOR	
		RV501	G-6
		RV502	I-9
		RV601	B-11

## • D BOARD WAVEFORM

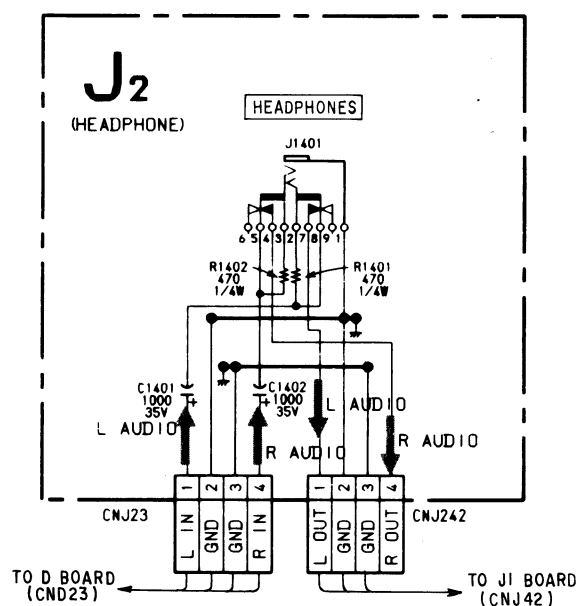




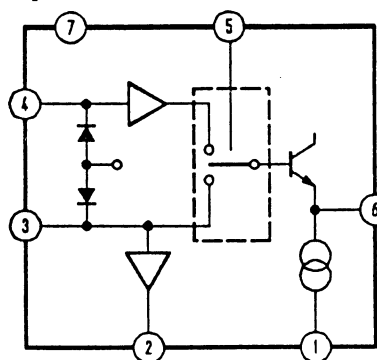




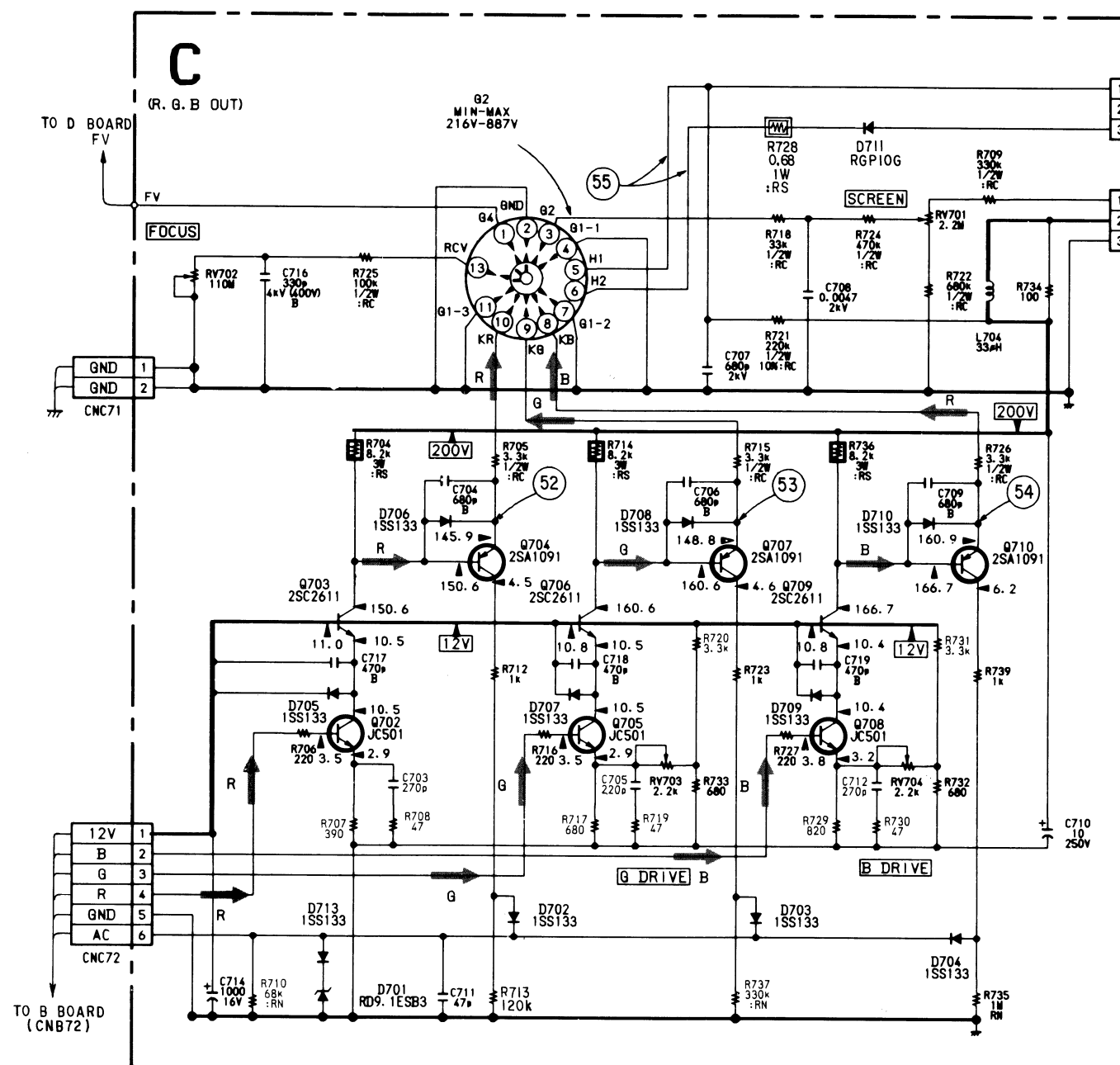
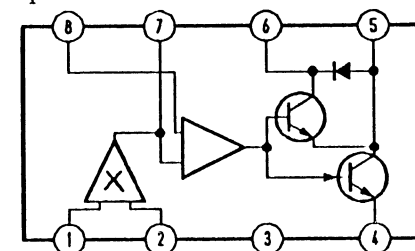
IC1402	TEA2014A	VIDEO SWITCHING
1501	TEA2031A	PIN AMP
D1407	RD10ESB3	PROTECT
1409	RD9.1ESB3	PROTECT
1410	RD9.1ESB3	PROTECT
1419	RD7.5ES-B3	
1501	1SS133	PROTECT
1502	1SS133	DC STOP
1503	1SS133	CORNER CORRECT
1504	1SS133	H.P SLICER
1505	MC931	PROTECT



J1 BOARD IC1402 TEA2014A



J1 BOARD IC1501 TEA2031A



Q 702	JC501	R AMP
704	2SA1091	R AC AMP
705	JC501	G AMP
707	2SA1091	G AC AMP
708	JC501	B AMP
710	2SA1091	B AC AMP
D 701	RD9.1ES-B3	PROTECT-1
702	1SS133	AC MIX-1
703	1SS133	AC MIX-2
704	1SS133	AC MIX-3
705	1SS133	PROTECT-2
706	1SS133	PROTECT-3
707	1SS133	PROTECT-4
708	1SS133	PROTECT-5
709	1SS133	PROTECT-6
710	1SS133	PROTECT-7
711	RGP10GPKG23	PROTECT-8
713	1SS133	PROTECT

J1

[INTERFACE]

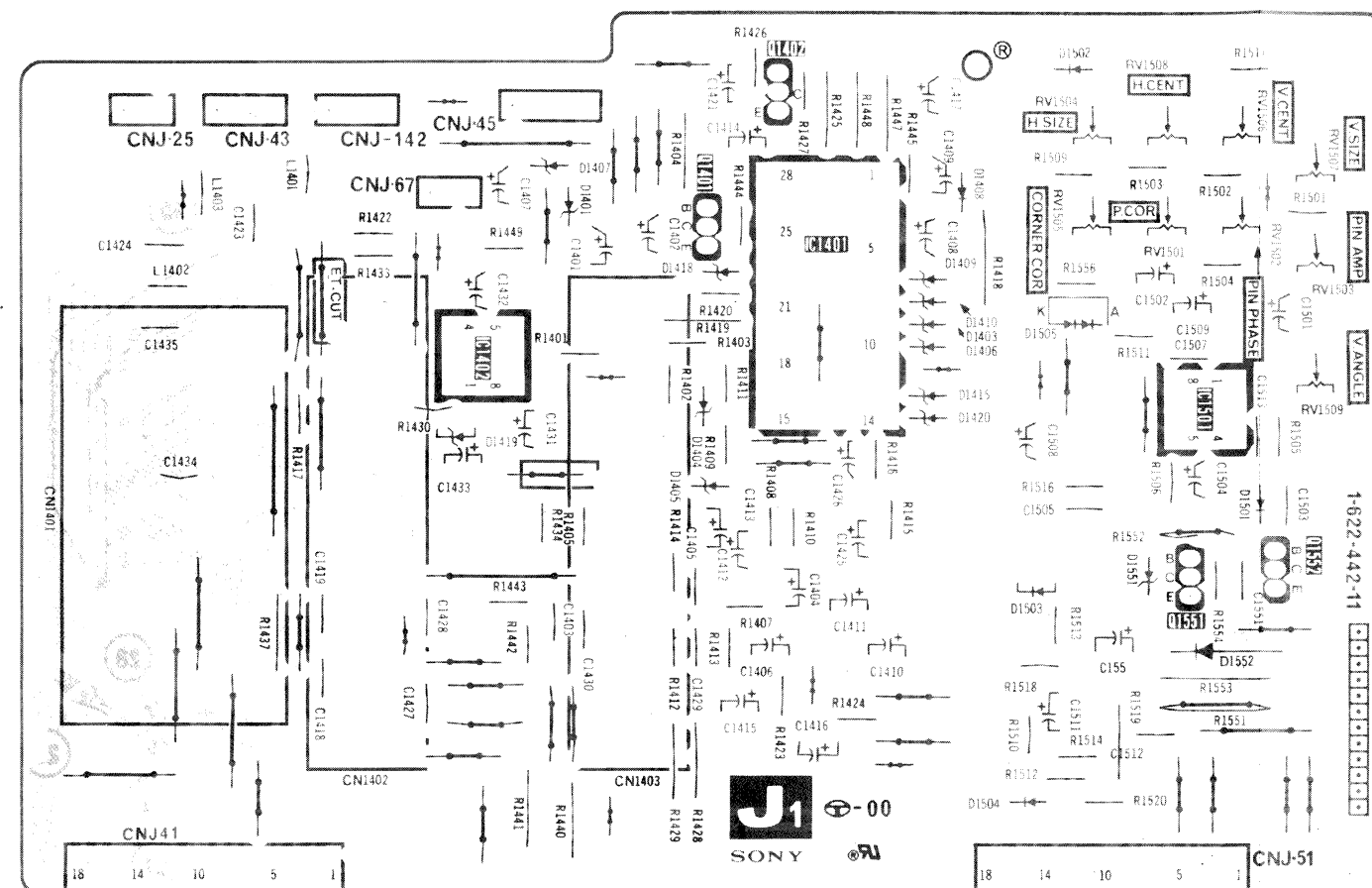
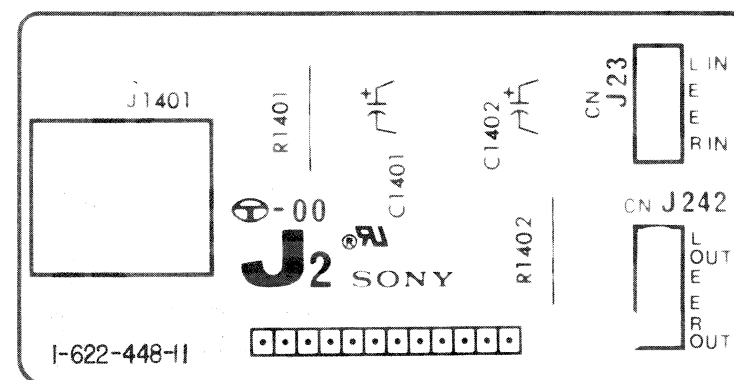
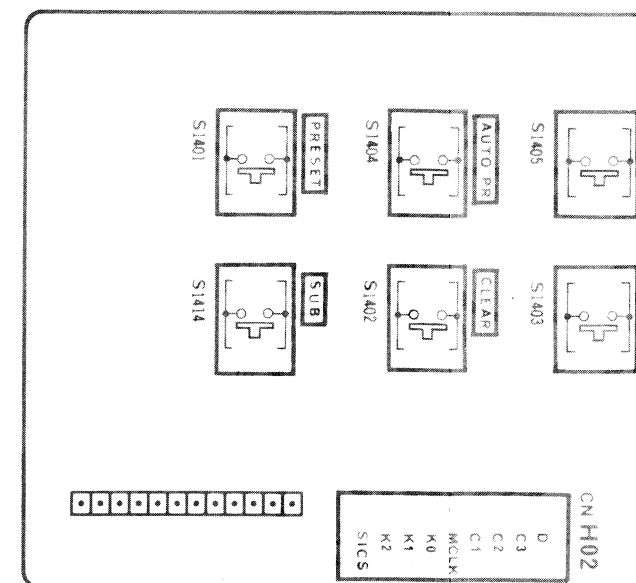
J2

[HEADPHONE]

H5

[REMOCON RECEIVER,  
CUSTOMER]

## PRINTED WIRING BOARDS (3)

- J<sub>1</sub> Board -- J<sub>2</sub> Board -- H<sub>5</sub> Board -

A

B

C

D

E

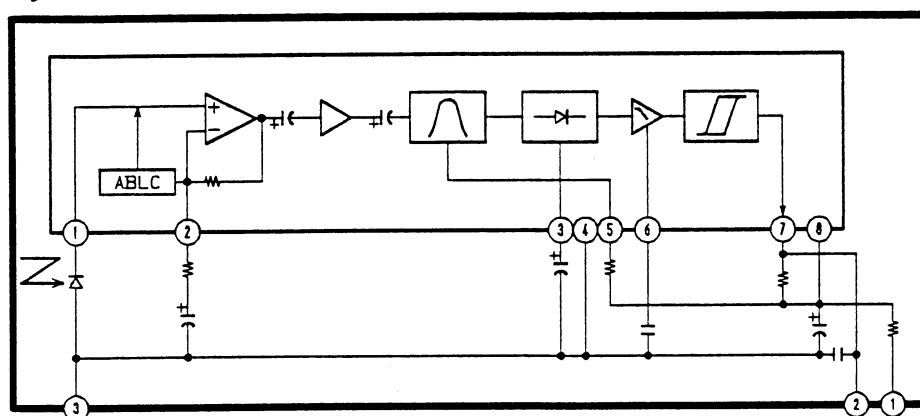
F

G

H

I

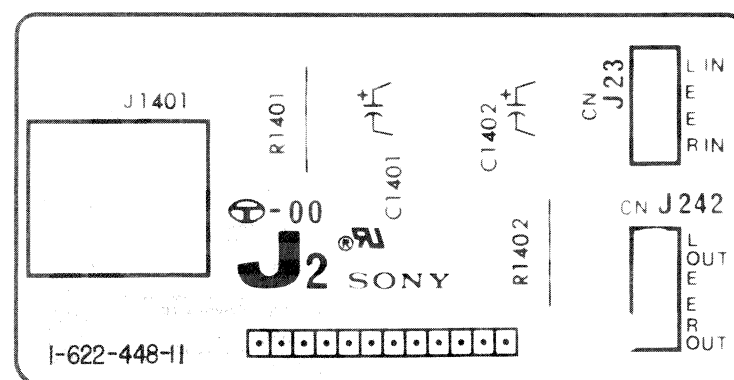
J

H<sub>5</sub> BOARD IC1401 BX1387

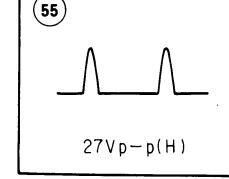
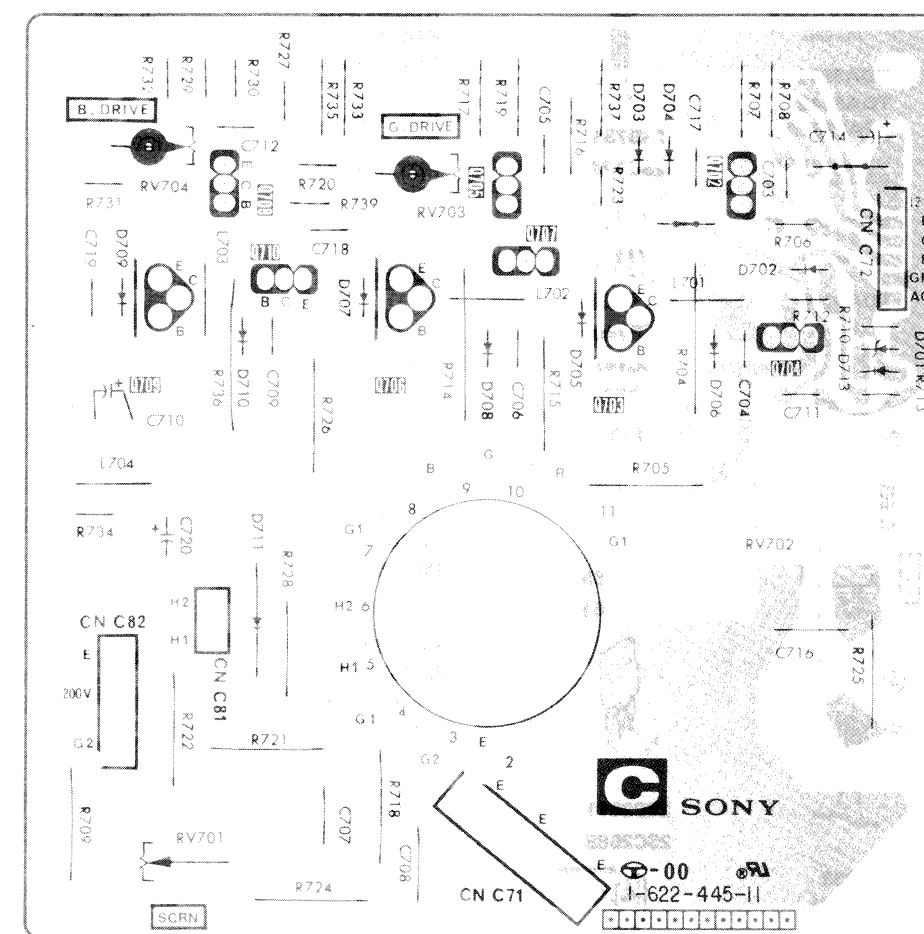
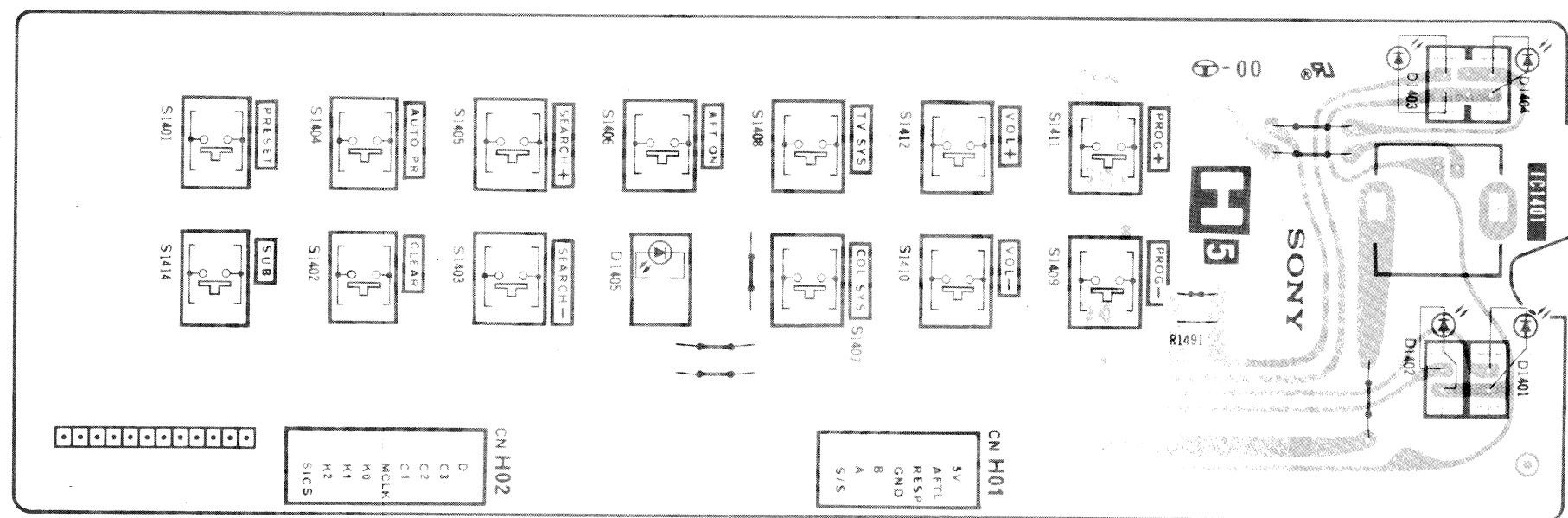
IC1401	BX1387	REMOCON RECEIVER
D1401	SR632D	A
1402	SR632D	B
1403	SR632D	SPACE SOUND
1404	SR632D	RESP
1405	TLR124	AFT

H5

**– C Board –**

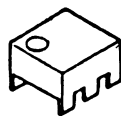


— H<sub>5</sub> Board —

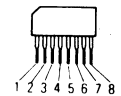


## 5-6. SEMICONDUCTORS

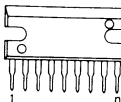
BX-1387



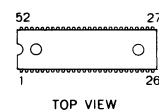
CX20061



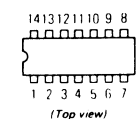
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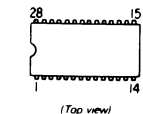
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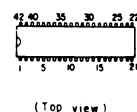
M58655P



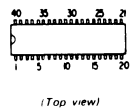
MAB8461P-W083  
TDA4555  
TDA4580  
TDA6200  
TDA6600  
TEA2028A  
SAA5231  
μPD4364CX015L



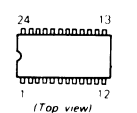
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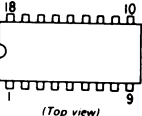
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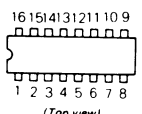
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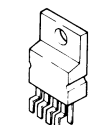
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TDA3541  
TDA8442  
TEA2162A



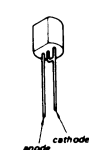
TDA8170



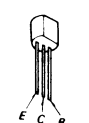
TBA129  
TEA2031A



μPC574J



2SA933  
2SA1091  
JA101TP  
JC501TP



2SA1048

2SA1115

2SC1740SRT

2SC2458

2SC2603

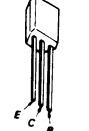
DTA124ES

DTA144ES

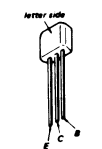
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DTC124ES

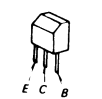
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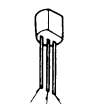
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2SC2785



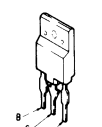
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2SD774



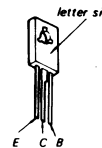
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2SC1475  
2SD789



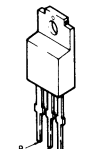
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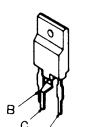
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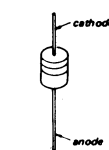
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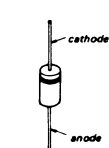
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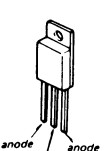
ISS119  
ISS133  
ISS148  
HZS39NB4TD  
RD3.6ES-B2  
RD3.9ES-B1  
RD4.7ES-B1  
RD5.6ES-B2  
RD6.2ES-B2  
RD6.8ES-B2  
RD7.5ES-B3  
RD9.1ES-B3  
RD10ES-B3  
RD15ES-B1  
RD39ES-B4



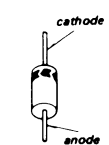
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ISS168  
ISS238  
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ES1F  
ERD28-06S  
GP08DPKG23  
RGP01-17PKG23  
RGP10PKG23



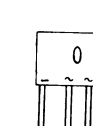
CTU-12S



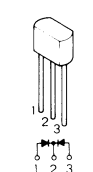
ERC06-15S  
ERC24-06S  
ERC25-06S  
ERD29-08J



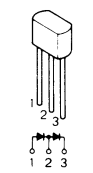
KBU-4J



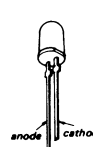
MC921



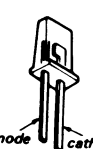
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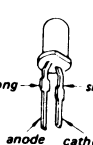
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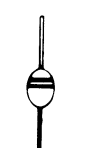
SR632D



TLR124



V19E

SECTION 6  
EXPLODED VIEWS

## NOTE:

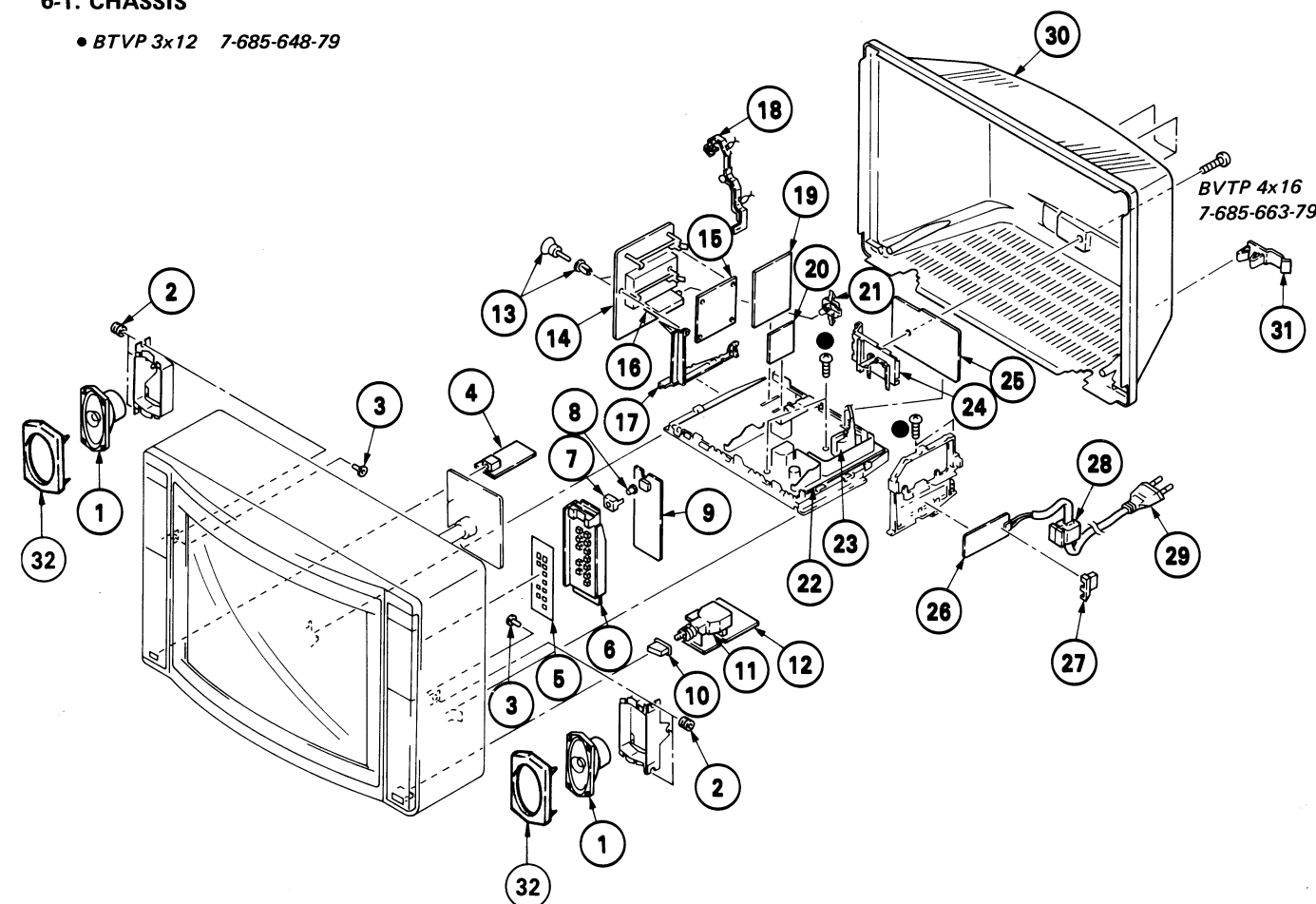
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

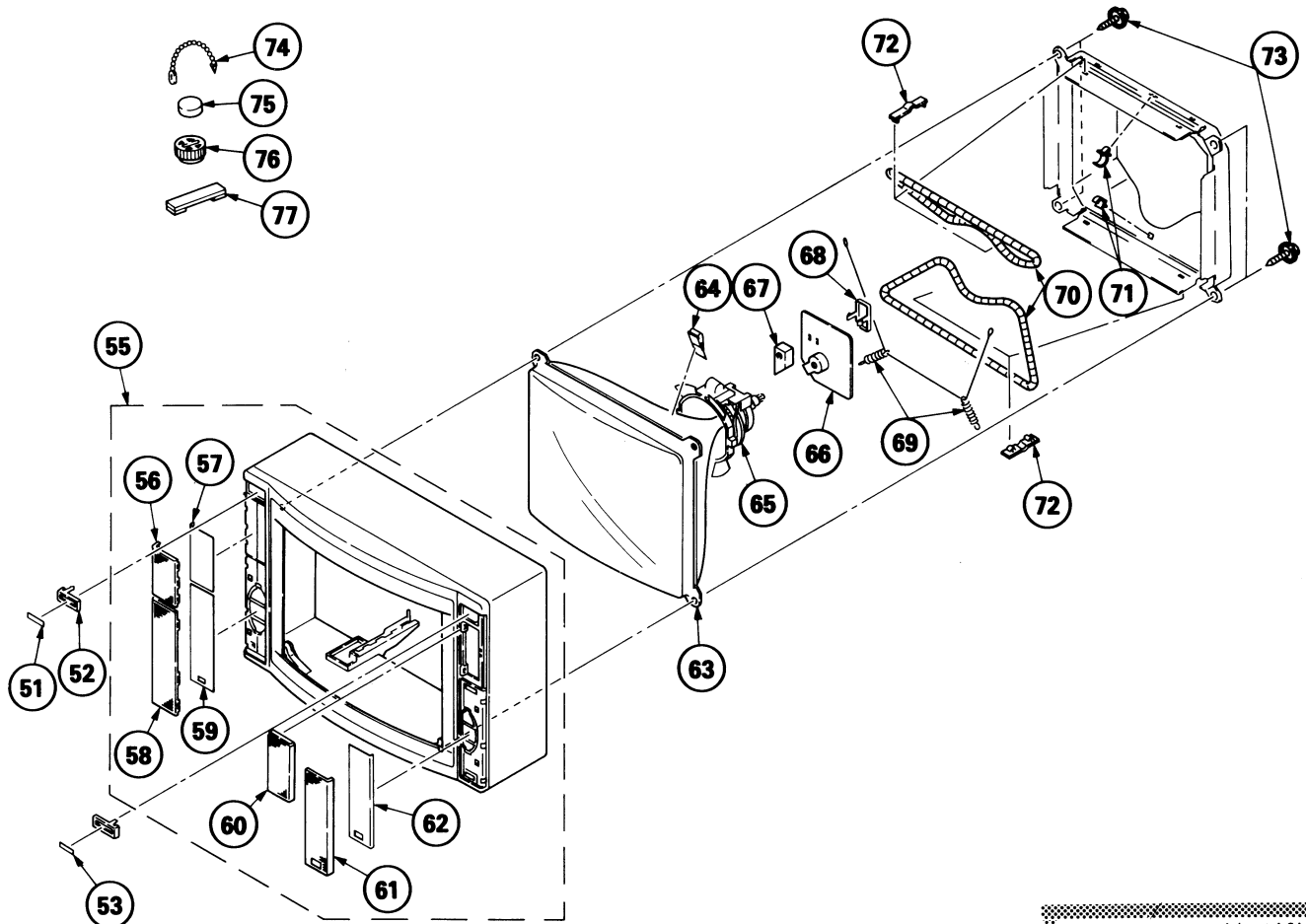
## 6-1. CHASSIS

• BTVP 3x12 7-685-648-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	1-503-642-11	SPEAKER		17	★4-386-629-01	BRACKET, A	
2	★4-381-536-01	RUBBER (B)		18	★4-386-628-01	SUPPORTER, PC BOARD	
3	4-373-234-01	CLIP		19	★A-1135-455-A	B BOARD, COMPLETE	
4	★1-622-448-11	J2 BOARD		20	★1-622-449-11	KS BOARD	
5	★4-385-917-01	LABEL, CONTROL		21	★4-386-617-01	HOLDER, TERMINAL	
6	★4-385-934-01	PANEL, CONTROL		22	★A-1345-720-A	D BOARD, COMPLETE	
7	★4-381-686-01	BRACKET (B), BAR, OPTICAL		23	▲1-439-416-11	TRANSFORMER ASSY, FLYBACK	
8	★4-374-987-01	GUIDE, LIGHT		24	★4-386-624-01	BRACKET, J	
9	★1-622-534-11	H5 BOARD		25	★A-1371-335-A	J1 BOARD, COMPLETE	
10	4-385-919-01	BUTTON, POWER (KV-25XSD ONLY)		26	★1-622-446-11	F1 BOARD	
	4-385-919-11	BUTTON, POWER (KV-25XSTD ONLY)		27	★4-386-620-01	COVER, POWER	
11	▲1-554-762-51	SWITCH, PUSH (AC POWER) (1 KEY)		28	▲4-022-115-01	HOLDER, AC CORD	
12	★1-622-447-11	F2 BOARD		29	▲1-559-346-11	CORD, POWER (WITH CONNECTOR)	
13	4-386-618-01	RIVET, T TYPE		30	4-385-932-01	COVER, REAR	
14	★A-1296-317-A	A BOARD, COMPLETE		31	4-329-127-00	CLAMP, CORD	
15	★A-1347-014-A	V BOARD, COMPLETE (KV-25XSTD ONLY)		32	★4-385-994-01	CUSHION, SPEAKER	
16	▲1-463-881-11	TUNER, ET (UV-617)					

## 6-2. PICTURE TUBE



The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	4-385-911-01	WINDOW (A), ORNAMENTAL		62	*4-385-914-01	CUSHION (D)	
52	X-4385-901-1	PLATE (A) ASSY		63	$\Delta$ 8-733-224-05	PICTURE TUBE (A59JWC60X)	
53	X-4385-916-1	WINDOW (B) ASSY, ORNAMENTAL (KV-25XSD ONLY)		64	3-703-961-01	SPACER, DY	
	X-4385-916-2	WINDOW (B) ASSY, ORNAMENTAL (KV-25XSTD ONLY)		65	$\Delta$ 1-451-311-21	DEFLECTION YOKE (SY-178)	
55	X-4385-903-1	CABINET ASSY (FOR SILVER)	56-62	66	*A-1330-814-A	C BOARD, COMPLETE	
	X-4385-903-2	CABINET ASSY (FOR BLACK)	56-62	67	*4-379-167-01	COVER (MAIN), CV	
56	4-385-921-01	PLATE (A), ORNAMENTAL (FOR SILVER)		68	*4-379-160-01	COVER (REAR LID), CV	
	4-385-921-11	PLATE (A), ORNAMENTAL (FOR BLACK)		69	4-303-774-XX	SPRING	
57	*4-385-912-01	CUSHION (AB)		70	$\Delta$ 1-426-325-11	COIL, DEMAGNETIZATION	
58	4-385-923-01	PLATE (C), ORNAMENTAL (FOR SILVER)		71	*4-371-629-01	STOPPER, WIRE	
	4-385-923-11	PLATE (C), ORNAMENTAL (FOR BLACK)		72	*4-385-916-01	HOLDER (D)	
59	*4-385-913-01	CUSHION (C)		73	4-373-263-01	SCREW (M), PT	
60	X-4385-902-1	DOOR ASSY (FOR SILVER)		74	4-308-870-00	CLIP, LEAD WIRE	
	X-4385-902-2	DOOR ASSY (FOR BLACK)		75	1-452-032-00	MAGNET, DISK; 10MM $\phi$	
61	4-385-924-01	PLATE (D), ORNAMENTAL (FOR SILVER)		76	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM $\phi$	
	4-385-924-11	PLATE (D), ORNAMENTAL (FOR BLACK)		77	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	

# KV-25XSD/25XSTD

## RM-673

**B F2**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q316	8-729-178-54	TRANSISTOR 2SC2785		R352	1-247-891-00	CARBON 330K 5% 1/4W	
Q334	8-729-178-54	TRANSISTOR 2SC2785		R353	1-247-891-00	CARBON 330K 5% 1/4W	
Q335	8-729-178-54	TRANSISTOR 2SC2785		R356	1-249-427-11	CARBON 6.8K 5% 1/4W	
Q336	8-729-178-54	TRANSISTOR 2SC2785		R357	1-249-409-11	CARBON 220 5% 1/4W	
Q381	8-729-900-36	TRANSISTOR DTC124ES		R358	1-249-409-11	CARBON 220 5% 1/4W	
Q382	8-729-178-54	TRANSISTOR 2SC2785		R361	1-249-418-11	CARBON 1.2K 5% 1/4W	
Q1306	8-729-117-54	TRANSISTOR 2SA1175		R362	1-249-421-11	CARBON 2.2K 5% 1/4W	
<u>RESISTOR</u>				R363	1-249-418-11	CARBON 1.2K 5% 1/4W	
R301	1-249-409-11	CARBON 220 5% 1/4W		R367	1-249-409-11	CARBON 220 5% 1/4W	
R302	1-249-409-11	CARBON 220 5% 1/4W		R368	1-247-752-11	CARBON 1K 5% 1/2W	
R303	1-249-409-11	CARBON 220 5% 1/4W		R369	1-247-752-11	CARBON 1K 5% 1/2W	
R304	1-249-409-11	CARBON 220 5% 1/4W		R370	1-249-418-11	CARBON 1.2K 5% 1/4W	
R305	1-249-421-11	CARBON 2.2K 5% 1/4W		R371	1-249-417-11	CARBON 1K 5% 1/4W	
R307	1-249-441-11	CARBON 100K 5% 1/4W		R376	1-249-429-11	CARBON 10K 5% 1/4W	
R308	1-249-414-11	CARBON 560 5% 1/4W		R378	1-249-441-11	CARBON 100K 5% 1/4W	
R309	1-249-405-11	CARBON 100 5% 1/4W		R379	1-249-441-11	CARBON 100K 5% 1/4W	
R310	1-249-405-11	CARBON 100 5% 1/4W		R380	1-247-849-00	CARBON 5.6K 5% 1/4W	
R311	1-249-405-11	CARBON 100 5% 1/4W		R381	1-249-439-11	CARBON 68K 5% 1/4W	
R312	1-249-409-11	CARBON 220 5% 1/4W		R382	1-247-885-00	CARBON 180K 5% 1/4W	
R313	1-249-441-11	CARBON 100K 5% 1/4W		R383	1-215-483-00	CARBON 390K 5% 1/4W	
R314	1-249-413-11	CARBON 470 5% 1/4W		R385	1-249-435-11	CARBON 33K 5% 1/4W	
R315	1-249-407-11	CARBON 150 5% 1/4W		R389	1-247-883-00	CARBON 150K 5% 1/4W	
R316	1-249-407-11	CARBON 150 5% 1/4W		R391	1-247-805-00	CARBON 82 5% 1/4W	
R317	1-249-407-11	CARBON 150 5% 1/4W		R392	1-249-402-11	CARBON 56 5% 1/4W	
R318	1-249-429-11	CARBON 10K 5% 1/4W		R393	1-249-402-11	CARBON 56 5% 1/4W	
R319	1-249-409-11	CARBON 220 5% 1/4W		R394	1-249-402-11	CARBON 56 5% 1/4W	
R320	1-249-417-11	CARBON 1K 5% 1/4W		R398	1-249-433-11	CARBON 22K 5% 1/4W	
R321	1-249-421-11	CARBON 2.2K 5% 1/4W		R1324	1-249-419-11	CARBON 1.5K 5% 1/4W	
R322	1-249-420-11	CARBON 1.8K 5% 1/4W		<u>VARIABLE RESISTOR</u>			
R323	1-249-421-11	CARBON 2.2K 5% 1/4W		RV331	1-230-504-11	RES, ADJ, CARBON 220	
R324	1-247-849-00	CARBON 5.6K 5% 1/4W		<u>TRANSFORMER</u>			
R325	1-249-429-11	CARBON 10K 5% 1/4W		T331	1-404-584-11	COIL	
R326	1-249-419-11	CARBON 1.5K 5% 1/4W		<u>CRYSTAL</u>			
R327	1-249-427-11	CARBON 6.8K 5% 1/4W		X332	1-567-131-00	OSCILLATOR, CRYSTAL	
R328	1-249-397-11	CARBON 22 5% 1/4W		<u>YC MODULE</u>			
R329	1-249-397-11	CARBON 22 5% 1/4W		YCM301	1-235-753-21	YC MODULE	
R330	1-249-397-11	CARBON 22 5% 1/4W		*****			
R331	1-249-418-11	CARBON 1.2K 5% 1/4W		*1-622-447-11	F2 BOARD		
R332	1-249-401-11	CARBON 47 5% 1/4W		*****			
R333	1-249-412-11	CARBON 390 5% 1/4W		<u>CONNECTOR</u>			
R334	1-249-408-11	CARBON 180 5% 1/4W		CNF262*1-506-347-21	4P PLUG		
R335	1-249-417-11	CARBON 1K 5% 1/4W		<u>SWITCH</u>			
R336	1-249-420-11	CARBON 1.8K 5% 1/4W		S1701A	1-554-762-51	SWITCH, PUSH (AC POWER)(1 KEY)	
R337	1-215-438-00	CARBON 5.1K 5% 1/4W					
R338	1-249-429-11	CARBON 10K 5% 1/4W					
R344	1-249-437-11	CARBON 47K 5% 1/4W					
R346	1-249-419-11	CARBON 1.5K 5% 1/4W					
R347	1-249-429-11	CARBON 10K 5% 1/4W					
R348	1-249-437-11	CARBON 47K 5% 1/4W					
R349	1-249-415-11	CARBON 680 5% 1/4W					
R350	1-249-415-11	CARBON 680 5% 1/4W					
R351	1-249-410-11	CARBON 270 5% 1/4W					

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

# SECTION 7

## ELECTRICAL PARTS LIST

**B**

## NOTE:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

## CAPACITORS

- MF :  $\mu$ F, PF :  $\mu$ PF

## RESISTORS

- All resistors are in ohms
- F : nonflammable

## COILS

- MMH : mH, UH :  $\mu$ H

When indicating parts by reference number, please include the board name.

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*A-1135-455-A	B BOARD, COMPLETE *****					
		<u>CAPACITOR</u>					
C301	1-110-179-81	MYLAR 0.22MF 10% 100V		C367	1-101-004-00	CERAMIC 0.01MF	50V
C302	1-110-179-81	MYLAR 0.22MF 10% 100V		C368	1-101-880-00	CERAMIC 47PF 5%	50V
C303	1-126-101-11	ELECT 100MF 20% 16V		C381	1-124-902-00	ELECT 0.47MF 20%	50V
C304	1-110-179-81	MYLAR 0.22MF 10% 100V		C382	1-124-927-11	ELECT 4.7MF 20%	50V
C305	1-124-119-00	ELECT 330MF 20% 16V		C384	1-124-477-11	ELECT 47MF 20%	16V
C306	1-124-902-00	ELECT 0.47MF 20% 50V		C385	1-124-927-11	ELECT 4.7MF 20%	50V
C307	1-124-902-00	ELECT 0.47MF 20% 50V		C387	1-124-902-00	ELECT 0.47MF 20%	50V
C308	1-124-902-00	ELECT 0.47MF 20% 50V		C1311	1-101-884-00	CERAMIC 56PF 5%	50V
C309	1-124-902-00	ELECT 0.47MF 20% 50V				<u>CONNECTOR</u>	
C310	1-110-175-81	MYLAR 0.1MF 10% 100V		CNB31	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P	
C311	1-110-175-81	MYLAR 0.1MF 10% 100V		CNB72	*1-564-895-11	PLUG, CONNECTOR 6P	
C312	1-124-902-00	ELECT 0.47MF 20% 50V		CNB93	*1-560-278-00	PLUG, CONNECTOR 6P	
C313	1-124-902-00	ELECT 0.47MF 20% 50V				<u>TRIMMER</u>	
C314	1-124-902-00	ELECT 0.47MF 20% 50V		CT332	1-141-181-11	CAP, TRIMMER	
C315	1-124-499-11	ELECT 1MF 20% 50V				<u>DIODE</u>	
C319	1-124-477-11	ELECT 47MF 20% 16V		D301	8-719-911-19	DIODE 1SS119	
C321	1-102-980-00	CERAMIC 270PF 5% 50V		D302	8-719-911-19	DIODE 1SS119	
C322	1-101-888-00	CERAMIC 68PF 5% 50V		D303	8-719-911-19	DIODE 1SS119	
C325	1-124-477-11	ELECT 47MF 20% 16V		D304	8-719-911-19	DIODE 1SS119	
C326	1-101-004-00	CERAMIC 0.01MF 50V		D305	8-719-911-19	DIODE 1SS119	
C327	1-101-004-00	CERAMIC 0.01MF 50V		D307	8-719-110-23	DIODE RD11ES-B3	
C331	1-124-963-11	ELECT 33MF 20% 16V				<u>DELAY LINE</u>	
C332	1-124-119-00	ELECT 330MF 20% 16V		DL331	1-415-187-12	DELAY LINE	
C333	1-101-005-00	CERAMIC 0.022MF 50V				<u>IC</u>	
C334	1-101-884-00	CERAMIC 56PF 5% 50V		IC301	8-759-923-81	IC TDA4580	
C335	1-101-006-00	CERAMIC 0.047MF 50V		IC302	8-759-941-98	IC TDA8442	
C336	1-110-190-81	MYLAR 0.01MF 10% 400V		IC331	8-759-947-20	TDA4555-V8	
C337	1-101-004-00	CERAMIC 0.01MF 50V				<u>COIL</u>	
C338	1-101-888-00	CERAMIC 68PF 5% 50V		L301	1-410-868-21	MICRO INDUCTOR 4.7UH	
C339	1-102-735-00	CERAMIC 120PF 5% 50V		L302	1-410-868-21	MICRO INDUCTOR 4.7UH	
C340	1-102-513-00	CERAMIC 18PF 5% 50V		L303	1-410-469-21	MICRO INDUCTOR 8.2UH	
C341	1-102-978-00	CERAMIC 220PF 5% 50V		L304	1-410-470-11	MICRO INDUCTOR 10UH	
C342	1-102-513-00	CERAMIC 18PF 5% 50V		L331	1-410-469-21	MICRO INDUCTOR 8.2UH	
C343	1-102-735-00	CERAMIC 120PF 5% 50V		L332	1-404-539-11	COIL	
C344	1-101-888-00	CERAMIC 68PF 5% 50V		L333	1-404-554-11	COIL	
C345	1-102-978-00	CERAMIC 220PF 5% 50V		L334	1-404-554-11	COIL	
C346	1-102-074-00	CERAMIC 0.001MF 10% 50V		L335	1-404-554-11	COIL	
C347	1-124-499-11	ELECT 1MF 20% 50V		L339	1-410-868-21	MICRO INDUCTOR 4.7UH	
C349	1-136-173-00	FILM 0.47MF 5% 50V				<u>TRANSISTOR</u>	
C350	1-110-171-81	MYLAR 0.047MF 10% 100V		Q302	8-729-178-54	TRANSISTOR 2SC2785	
C352	1-110-182-81	MYLAR 0.022MF 10% 250V		Q303	8-729-178-54	TRANSISTOR 2SC2785	
C353	1-102-506-00	CERAMIC 7PF 0.5PF 50V		Q305	8-729-900-36	TRANSISTOR DTC124ES	
C354	1-102-074-00	CERAMIC 0.001MF 10% 50V		Q311	8-729-178-54	TRANSISTOR 2SC2785	
C355	1-102-679-00	CERAMIC 120PF 5% 50V		Q312	8-729-178-54	TRANSISTOR 2SC2785	
C360	1-101-004-00	CERAMIC 0.01MF 50V		Q313	8-729-178-54	TRANSISTOR 2SC2785	
C361	1-101-004-00	CERAMIC 0.01MF 50V					
C364	1-101-361-00	CERAMIC 150PF 5% 50V					
C365	1-124-477-11	ELECT 47MF 20% 16V					
C366	1-124-477-11	ELECT 47MF 20% 16V					

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C164	1-110-190-81	MYLAR	0.01MF 10%	400V	Q104	8-729-900-61	TRANSISTOR DTA114ES
C165	1-130-853-00	FILM	0.0047MF 5%	50V	Q105	8-729-178-54	TRANSISTOR 2SC2785
C167	1-124-499-11	ELECT	1MF 20%	50V	Q106	8-729-178-54	TRANSISTOR 2SC2785
C168	1-110-179-81	MYLAR	0.22MF 10%	100V	Q107	8-729-117-54	TRANSISTOR 2SA1175
C169	1-123-875-11	ELECT	10MF 20%	50V	Q108	8-729-900-65	TRANSISTOR DTA144ES
C170	1-101-004-00	CERAMIC	0.01MF	50V	Q109	8-729-900-89	TRANSISTOR DTC144ES
C171	1-101-004-00	CERAMIC	0.01MF	50V	Q110	8-729-117-54	TRANSISTOR 2SA1175
C174	1-124-499-11	ELECT	1MF 20%	50V	Q111	8-729-900-89	TRANSISTOR DTC144ES
C177	1-102-119-00	CERAMIC	0.0015MF 10%	50V	Q112	8-729-178-54	TRANSISTOR 2SC2785
					Q113	8-729-178-54	TRANSISTOR 2SC2785
<u>FILTER</u>				<u>RESISTOR</u>			
CD101	1-404-750-11	DISCRIMINATOR, CERAMIC		R101	1-249-405-11	CARBON	100 5% 1/4W
CD102	1-404-745-11	DISCRIMINATOR, CERAMIC		R102	1-249-423-11	CARBON	3.3K 5% 1/4W
CD103	1-404-746-11	DISCRIMINATOR, CERAMIC		R103	1-249-433-11	CARBON	22K 5% 1/4W
CF101	1-404-134-00	TRAP, CERAMIC (5.5MHZ)		R104	1-249-429-11	CARBON	10K 5% 1/4W
CF103	1-527-840-00	FILTER, CERAMIC		R105	1-249-418-11	CARBON	1.2K 5% 1/4W
CF104	1-527-839-00	FILTER, CERAMIC		R106	1-247-891-00	CARBON	330K 5% 1/4W
CF105	1-527-839-00	FILTER, CERAMIC		R107	1-249-421-11	CARBON	2.2K 5% 1/4W
SWF101	1-404-717-11	FILTER, SURFACE WAVE		R108	1-249-421-11	CARBON	2.2K 5% 1/4W
				R109	1-249-423-11	CARBON	3.3K 5% 1/4W
				R110	1-249-412-11	CARBON	390 5% 1/4W
<u>CONNECTOR</u>							
CNA11	*1-566-660-11	CONNECTOR, HINGE (PLUG) 18P		R111	1-249-418-11	CARBON	1.2K 5% 1/4W
				R112	1-249-421-11	CARBON	2.2K 5% 1/4W
<u>DIODE</u>				R113	1-249-411-11	CARBON	330 5% 1/4W
D105	8-719-109-92	DIODE RD6.2ES-B1		R114	1-249-413-11	CARBON	470 5% 1/4W
D106	8-719-911-19	DIODE 1SS119		R115	1-249-413-11	CARBON	470 5% 1/4W
D108	8-719-000-06	DIODE MC921					
				R116	1-249-419-11	CARBON	1.5K 5% 1/4W
<u>IC</u>				R117	1-249-431-11	CARBON	15K 5% 1/4W
IC101	8-759-909-08	IC TDA3541		R118	1-249-425-11	CARBON	4.7K 5% 1/4W
IC102	8-759-941-96	IC TDA2556		R119	1-249-417-11	CARBON	1K 5% 1/4W
IC103	8-759-013-18	IC TDA6600		R120	1-249-419-11	CARBON	1.5K 5% 1/4W
IC104	8-759-941-81	IC TDA2595-V6					
IC105	8-759-003-90	IC TBA129		R121	1-249-429-11	CARBON	10K 5% 1/4W
				R122	1-249-436-11	CARBON	39K 5% 1/4W
<u>COIL</u>				R123	1-249-417-11	CARBON	1K 5% 1/4W
L101	1-408-226-00	MICRO INDUCTOR 82UH		R124	1-249-423-11	CARBON	3.3K 5% 1/4W
L102	1-410-116-11	MICRO INDUCTOR 560UH		R125	1-249-429-11	CARBON	10K 5% 1/4W
L103	1-410-467-21	MICRO INDUCTOR 5.6UH					
L104	1-408-411-00	MICRO INDUCTOR 15UH		R126	1-249-436-11	CARBON	39K 5% 1/4W
L105	1-410-482-31	MICRO INDUCTOR 100UH		R127	1-249-432-11	CARBON	18K 5% 1/4W
L106	1-410-476-11	MICRO INDUCTOR 33UH		R128	1-249-432-11	CARBON	18K 5% 1/4W
L107	1-410-467-21	MICRO INDUCTOR 5.6UH		R129	1-249-429-11	CARBON	10K 5% 1/4W
L108	1-410-473-11	MICRO INDUCTOR 18UH		R130	1-249-429-11	CARBON	10K 5% 1/4W
L109	1-410-473-11	MICRO INDUCTOR 18UH					
L110	1-410-064-11	MICRO INDUCTOR 2.7MMH		R132	1-249-414-11	CARBON	560 5% 1/4W
L111	1-410-482-31	MICRO INDUCTOR 100UH		R133	1-249-424-11	CARBON	3.9K 5% 1/4W
L112	1-410-471-11	MICRO INDUCTOR 12UH		R134	1-249-414-11	CARBON	560 5% 1/4W
L113	1-410-460-11	MICRO INDUCTOR 1.5UH		R135	1-249-423-11	CARBON	3.3K 5% 1/4W
				R136	1-249-414-11	CARBON	560 5% 1/4W
<u>TRANSISTOR</u>							
Q101	8-729-900-61	TRANSISTOR DTA114ES		R137	1-249-414-11	CARBON	560 5% 1/4W
Q102	8-729-900-61	TRANSISTOR DTA114ES		R138	1-249-423-11	CARBON	3.3K 5% 1/4W
				R140	1-249-441-11	CARBON	100K 5% 1/4W
				R141	1-249-424-11	CARBON	3.9K 5% 1/4W
				R142	1-249-441-11	CARBON	100K 5% 1/4W
				R143	1-249-441-11	CARBON	100K 5% 1/4W

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A

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*1-622-446-11	F1 BOARD *****					
		<u>CAPACITOR</u>					
C1601A	1-136-518-11	FILM 0.33MF 20%	300V	C107	1-102-963-00	CERAMIC 33PF 5%	50V
C1602A	1-136-519-11	FILM 0.47MF 20%	300V	C108	1-124-963-11	ELECT 33MF 20%	16V
C1603A	1-162-578-51	CERAMIC 0.0047MF 20%	400V	C109	1-101-003-00	CERAMIC 0.0047MF	50V
C1604A	1-162-578-51	CERAMIC 0.0047MF 20%	400V	C110	1-124-499-11	ELECT 1MF 20%	50V
C1605A	1-162-578-51	CERAMIC 0.0047MF 20%	400V	C111	1-101-003-00	CERAMIC 0.0047MF	50V
C1606A	1-162-578-51	CERAMIC 0.0047MF 20%	400V	C112	1-101-003-00	CERAMIC 0.0047MF	50V
		<u>CONNECTOR</u>		C113	1-101-003-00	CERAMIC 0.0047MF	50V
CNF61	*1-566-664-11	PIN, CONNECTOR 4P		C114	1-124-963-11	ELECT 33MF 20%	16V
CNF64	*1-506-348-XX	3P PLUG (L)		C117	1-102-978-00	CERAMIC 220PF 5%	50V
CNF65	*1-508-765-00	3P PLUG (M)		C118	1-101-880-00	CERAMIC 47PF 5%	50V
CNF66	*1-508-786-00	2P PLUG (M)		C119	1-126-101-11	ELECT 100MF 20%	16V
CNF67	*1-560-290-00	PLUG, CONNECTOR (2.5MM PICH)		C120	1-124-925-11	ELECT 2.2MF 20%	50V
CNF162	*1-506-348-XX	4P PLUG		C121	1-101-003-00	CERAMIC 0.0047MF	50V
		<u>FUSE</u>		C122	1-101-003-00	CERAMIC 0.0047MF	50V
F1601A	1-532-350-11	FUSE, TIME-LAG 4A/250V		C123	1-101-003-00	CERAMIC 0.0047MF	50V
	1-533-149-00	HOLDER, FUSE; F1601		C124	1-101-888-00	CERAMIC 68PF 5%	50V
		<u>COIL</u>		C125	1-101-888-00	CERAMIC 68PF 5%	50V
LF1601A	1-421-866-11	LFT		C127	1-101-003-00	CERAMIC 0.0047MF	50V
LF1602A	1-421-776-11	LFT		C128	1-124-963-11	ELECT 33MF 20%	16V
		<u>RESISTOR</u>		C129	1-101-888-00	CERAMIC 68PF 5%	50V
R1601A	1-247-879-91	CARBON 100K 5% 1/4W		C130	1-101-004-00	CERAMIC 0.01MF	50V
R1602A	1-244-945-91	CARBON 1M 5% 1/2W		C131	1-101-006-00	CERAMIC 0.047MF	50V
R1603A	1-217-328-11	WIREWOUND 2.7 10% 7W F		C132	1-124-499-11	ELECT 1MF 20%	50V
R1604A	1-247-879-91	CARBON 100K 5% 1/4W		C133	1-101-003-00	CERAMIC 0.0047MF	50V
R1605A	1-247-289-11	CARBON 8.2M 5% 1W		C134	1-124-499-11	ELECT 1MF 20%	50V
R1606A	1-217-777-11	WIREWOUND 100 10% 10W F		C135	1-101-004-00	CERAMIC 0.01MF	50V
		<u>THERMISTOR</u>		C136	1-101-006-00	CERAMIC 0.047MF	50V
THP601A	1-806-387-11	THERMISTOR (POSITIVE)		C137	1-102-961-00	CERAMIC 27PF 5%	50V
*****				C138	1-124-499-11	ELECT 1MF 20%	50V
				C139	1-123-875-11	ELECT 10MF 20%	50V
				C140	1-108-614-91	MYLAR 0.001MF 10%	100V
				C141	1-129-794-00	FILM 0.0033MF 2%	100V
				C142	1-102-816-00	CERAMIC 120PF 5%	50V
				C143	1-101-361-00	CERAMIC 150PF 5%	50V
				C144	1-124-477-11	ELECT 47MF 20%	16V
				C145	1-124-477-11	ELECT 47MF 20%	16V
				C146	1-124-477-11	ELECT 47MF 20%	16V
				C147	1-124-477-11	ELECT 47MF 20%	16V
				C148	1-123-875-11	ELECT 10MF 20%	50V
				C149	1-136-153-00	FILM 0.01MF 5%	50V
				C150	1-136-153-00	FILM 0.01MF 5%	50V
				C151	1-124-908-11	ELECT 22MF 20%	50V
				C152	1-124-908-11	ELECT 22MF 20%	50V
				C153	1-136-165-00	FILM 0.1MF 5%	50V
				C154	1-136-169-00	FILM 0.22MF 5%	50V
				C155	1-124-963-11	ELECT 33MF 20%	16V
				C156	1-136-157-00	FILM 0.022MF 5%	50V
				C157	1-136-161-00	FILM 0.047MF 5%	50V
				C158	1-124-963-11	ELECT 33MF 20%	16V
				C159	1-124-477-11	ELECT 47MF 20%	16V
				C161	1-124-477-11	ELECT 47MF 20%	16V
				C162	1-102-816-00	CERAMIC 120PF 5%	50V
				C163	1-124-927-11	ELECT 4.7MF 20%	50V
C101	1-124-908-11	ELECT 22MF 20%	50V				
C102	1-126-103-11	ELECT 470MF 20%	16V				
C103	1-110-175-81	MYLAR 0.1MF 10%	100V				
C104	1-110-173-81	MYLAR 0.068MF 10%	100V				
C105	1-110-173-81	MYLAR 0.068MF 10%	100V				
C106	1-101-004-00	CERAMIC 0.01MF	50V				

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

# KV-25XSD/25XSTD RM-673



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R715	1-202-824-00	SOLID	3.3K 10% 1/2W	C019	1-110-171-81	MYLAR	0.047MF 10% 100V
R716	1-249-409-11	CARBON	220 5% 1/4W	C021	1-102-973-00	CERAMIC	100PF 5% 50V
R717	1-249-415-11	CARBON	680 5% 1/4W	C022	1-124-477-11	ELECT	47MF 20% 16V
R718	1-202-814-11	SOLID	33K 10% 1/2W	C024	1-124-499-11	ELECT	1MF 20% 50V
R719	1-249-401-11	CARBON	47 5% 1/4W	C025	1-102-125-00	CERAMIC	0.0047MF 10% 50V
R720	1-249-423-11	CARBON	3.3K 5% 1/4W	C026	1-102-125-00	CERAMIC	0.0047MF 10% 50V
R721	1-202-842-11	SOLID	220K 10% 1/2W	C027	1-110-175-81	MYLAR	0.1MF 10% 100V
R722	1-202-848-00	SOLID	680K 10% 1/2W	C028	1-101-361-00	CERAMIC	150PF 5% 50V
R723	1-249-417-11	CARBON	1K 5% 1/4W	C029	1-102-121-00	CERAMIC	0.0022MF 10% 50V
R724	1-202-846-00	SOLID	470K 10% 1/2W	C251	1-124-927-11	ELECT	4.7MF 20% 50V
R725	1-202-838-00	SOLID	100K 10% 1/2W	C252	1-124-927-11	ELECT	4.7MF 20% 50V
R726	1-202-824-00	SOLID	3.3K 10% 1/2W	C253	1-124-122-11	ELECT	100MF 20% 50V
R727	1-249-409-11	CARBON	220 5% 1/4W	C254	1-124-927-11	ELECT	4.7MF 20% 50V
R728	1-216-347-11	METAL OXIDE	0.68 5% 1W	C255	1-124-927-11	ELECT	4.7MF 20% 50V
R729	1-249-416-11	CARBON	820 5% 1/4W	C256	1-110-175-81	MYLAR	0.1MF 10% 100V
R730	1-249-401-11	CARBON	47 5% 1/4W	C257	1-101-004-00	CERAMIC	0.01MF 50V
R731	1-249-423-11	CARBON	3.3K 5% 1/4W	C258	1-110-175-81	MYLAR	0.1MF 10% 100V
R732	1-249-415-11	CARBON	680 5% 1/4W	C260	1-110-175-81	MYLAR	0.1MF 10% 100V
R733	1-249-415-11	CARBON	680 5% 1/4W	C265	1-102-074-00	CERAMIC	0.001MF 10% 50V
R734	1-249-405-11	CARBON	100 5% 1/4W	C266	1-102-074-00	CERAMIC	0.001MF 10% 50V
R735	1-215-493-00	METAL	1M 1% 1/6W	C401	1-124-477-11	ELECT	47MF 20% 16V
R736	1-216-486-00	METAL OXIDE	8.2K 5% 3W	C403	1-124-477-11	ELECT	47MF 20% 16V
R737	1-215-481-00	METAL	330K 1% 1/6W	C501	1-124-927-11	ELECT	4.7MF 20% 50V
R739	1-249-417-11	CARBON	1K 5% 1/4W	C502	1-124-927-11	ELECT	4.7MF 20% 50V
VARIABLE RESISTOR				C503	1-110-192-81	MYLAR	0.015MF 10% 400V
RV701	1-226-114-00	RES, ADJ, METAL GLAZE 2.2M		C504	1-101-361-00	CERAMIC	150PF 5% 50V
RV702	1-230-619-11	RES, ADJ, METAL GLAZE 110M		C505	1-108-794-91	MYLAR	0.0015MF 5% 50V
RV703	1-237-749-11	RES, ADJ, CARBON 2200		C506	1-110-182-81	MYLAR	0.022MF 10% 250V
RV704	1-237-749-11	RES, ADJ, CARBON 2200		C507	1-110-327-81	MYLAR	0.33MF 10% 100V
*****				C508	1-110-182-81	MYLAR	0.022MF 10% 250V
*A-1345-720-A D BOARD, COMPLETE				C509	1-110-175-81	MYLAR	0.1MF 10% 100V
*****				C510	1-161-959-00	CERAMIC	22PF 10% 500V
CAPACITOR				C511	1-108-620-91	MYLAR	0.0033MF 10% 100V
C001	1-102-973-00	CERAMIC	100PF 5% 50V	C512	1-110-175-81	MYLAR	0.1MF 10% 100V
C002	1-102-116-00	CERAMIC	680PF 10% 50V	C513	1-108-614-91	MYLAR	0.001MF 10% 100V
C003	1-110-175-81	MYLAR	0.1MF 10% 100V	C514	1-110-179-81	MYLAR	0.22MF 10% 100V
C004	1-123-875-11	ELECT	10MF 20% 50V	C515	1-124-499-11	ELECT	1MF 20% 50V
C005	1-102-074-00	CERAMIC	0.001MF 10% 50V	C516	1-108-614-91	MYLAR	0.001MF 10% 100V
C007	1-110-171-81	MYLAR	0.047MF 10% 100V	C517	1-124-252-00	ELECT	0.33MF 20% 50V
C008	1-101-880-00	CERAMIC	47PF 5% 50V	C518	1-124-902-00	ELECT	0.47MF 20% 50V
C009	1-101-884-00	CERAMIC	56PF 5% 50V	C519	1-136-173-00	FILM	0.47MF 5% 50V
C010	1-126-101-11	ELECT	100MF 20% 16V	C520	1-102-121-00	CERAMIC	0.0022MF 10% 50V
C011	1-101-004-00	CERAMIC	0.01MF 50V	C521	1-110-175-81	MYLAR	0.1MF 10% 100V
C012	1-126-101-11	ELECT	100MF 20% 16V	C522	1-124-122-11	ELECT	100MF 20% 50V
C013	1-101-004-00	CERAMIC	0.01MF 50V	C523	1-108-614-91	MYLAR	0.001MF 10% 100V
C014	1-124-463-00	ELECT	0.1MF 20% 50V	C524	1-106-184-00	MYLAR	0.0033MF 5% 50V
C015	1-126-101-11	ELECT	100MF 20% 16V	C525	1-102-973-00	CERAMIC	100PF 5% 50V
C016	1-101-004-00	CERAMIC	0.01MF 50V	C527	1-110-175-81	MYLAR	0.1MF 10% 100V
C017	1-123-875-11	ELECT	10MF 20% 50V	C531	1-124-117-00	ELECT	680MF 10% 25V
C018	1-102-980-00	CERAMIC	270PF 5% 50V	C532	1-124-122-11	ELECT	100MF 20% 50V
				C533	1-110-173-81	MYLAR	0.068MF 10% 100V
				C534	1-124-120-11	ELECT	220MF 20% 16V
				C536	1-131-365-00	TANTALUM	10MF 10% 16V

**A** **C**

Ref.No.	Part No.	Description	Remark			Ref.No.	Part No.	Description	Remark		
R144	1-249-422-11	CARBON	2.7K	5%	1/4W	C716	1-162-583-11	CERAMIC	330PF	10%	400V
R145	1-249-417-11	CARBON	1K	5%	1/4W	C717	1-102-114-00	CERAMIC	470PF	10%	50V
R146	1-249-422-11	CARBON	2.7K	5%	1/4W	C718	1-102-114-00	CERAMIC	470PF	10%	50V
R147	1-249-417-11	CARBON	1K	5%	1/4W	C719	1-102-114-00	CERAMIC	470PF	10%	50V
R148	1-249-413-11	CARBON	470	5%	1/4W						
R150	1-249-423-11	CARBON	3.3K	5%	1/4W	CONNECTOR					
R151	1-249-423-11	CARBON	3.3K	5%	1/4W	CNC71	*1-506-371-00	2P PLUG (L)			
R152	1-249-431-11	CARBON	15K	5%	1/4W	CNC72	*1-564-883-11	PLUG, CONNECTOR 6P			
R153	1-249-416-11	CARBON	820	5%	1/4W	CNC81	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)			
R154	1-249-441-11	CARBON	100K	5%	1/4W	CNC82	*1-508-765-00	3P PLUG (M)			
R155	1-249-430-11	CARBON	12K	5%	1/4W	DIODE					
R156	1-247-881-00	CARBON	120K	5%	1/4W	D701	8-719-110-14	DIODE RD9.1ES-B3			
R160	1-249-417-11	CARBON	1K	5%	1/4W	D702	8-719-911-19	DIODE 1SS119			
R162	1-249-415-11	CARBON	680	5%	1/4W	D703	8-719-911-19	DIODE 1SS119			
R163	1-249-422-11	CARBON	2.7K	5%	1/4W	D704	8-719-911-19	DIODE 1SS119			
R165	1-249-423-11	CARBON	3.3K	5%	1/4W	D705	8-719-911-19	DIODE 1SS119			
R166	1-249-437-11	CARBON	47K	5%	1/4W	D706	8-719-911-19	DIODE 1SS119			
R172	1-249-417-11	CARBON	1K	5%	1/4W	D707	8-719-911-19	DIODE 1SS119			
R173	1-249-414-11	CARBON	560	5%	1/4W	D708	8-719-911-19	DIODE 1SS119			
VARIABLE RESISTOR						D709	8-719-911-19	DIODE 1SS119			
RV101	1-237-753-11	RES, ADJ, CARBON 47K									
RV102	1-237-751-11	RES, ADJ, CARBON 10K									
RV103	1-237-753-11	RES, ADJ, CARBON 47K									
TRANSFORMER						D710	8-719-911-19	DIODE 1SS119			
T101	1-404-493-00	COIL									
T102	1-404-493-00	COIL									
T103	1-404-493-00	COIL									
TUNER						D711	8-719-924-06	DIODE ERC24-06S			
TU101A	1-463-881-11	TUNER, ET (UV-617)									
*****						D713	8-719-911-19	DIODE 1SS119			
*A-1330-814-A C BOARD, COMPLETE						JACK					
*****						J701	1-526-798-21	SOCKET, CRT			
*4-379-160-01 COVER (REAR LID), CV						COIL					
*4-379-167-01 COVER (MAIN), CV						L704	1-410-878-21	MICRO INDUCTOR 33UH			
*4-386-664-01 SPRING						TRANSISTOR					
CAPACITOR						Q702	8-729-178-54	TRANSISTOR 2SC2785			
C703	1-102-980-00	CERAMIC	270PF	5%	50V	Q703	8-729-326-11	TRANSISTOR 2SC2611			
C704	1-102-116-00	CERAMIC	680PF	10%	50V	Q704	8-729-200-17	TRANSISTOR 2SA1091			
C705	1-102-978-00	CERAMIC	220PF	5%	50V	Q705	8-729-178-54	TRANSISTOR 2SC2785			
C706	1-102-116-00	CERAMIC	680PF	10%	50V	Q706	8-729-326-11	TRANSISTOR 2SC2611			
C707	1-162-116-00	CERAMIC	680PF	10%	2KV	Q707	8-729-200-17	TRANSISTOR 2SA1091			
C708	1-162-114-00	CERAMIC	0.0047MF		2KV	Q708	8-729-178-54	TRANSISTOR 2SC2785			
C709	1-102-116-00	CERAMIC	680PF	10%	50V	Q709	8-729-326-11	TRANSISTOR 2SC2611			
C710	1-123-947-00	ELECT	10MF	20%	250V	Q710	8-729-200-17	TRANSISTOR 2SA1091			
C711	1-101-880-00	CERAMIC	47PF	5%	50V	RESISTOR					
C712	1-102-980-00	CERAMIC	270PF	5%	50V	R704	1-216-486-00	METAL OXIDE	8.2K	5%	3W F
C714	1-124-555-00	ELECT	1000MF	20%	16V	R705	1-202-824-00	SOLID	3.3K	10%	1/2W
						R706	1-249-409-11	CARBON	220	5%	1/4W
						R707	1-249-412-11	CARBON	390	5%	1/4W
						R708	1-249-401-11	CARBON	47	5%	1/4W
						R709	1-202-844-00	SOLID	330K	10%	1/2W
						R710	1-215-465-00	METAL	68K	1%	1/6W
						R712	1-249-417-11	CARBON	1K	5%	1/4W
						R713	1-215-471-00	METAL	120K	1%	1/6W
						R714	1-216-486-00	METAL OXIDE	8.2K	5%	3W F

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C537	1-124-499-11	ELECT	1MF 20% 50V	C822	1-102-114-00	CERAMIC 470PF 10% 50V	
C538	1-108-614-91	MYLAR	0.001MF 10% 100V	C823	1-110-186-81	MYLAR 0.0047MF 10% 400V	
C539	1-102-820-00	CERAMIC	330PF 5% 50V	C824	1-102-212-00	CERAMIC 820PF 10% 500V	
C591	1-123-875-11	ELECT	10MF 20% 50V	C825	1-110-182-81	MYLAR 0.022MF 10% 250V	
C592	1-124-477-11	ELECT	47MF 20% 16V	C826	1-123-875-11	ELECT 10MF 20% 50V	
C593	1-102-820-00	CERAMIC	330PF 5% 50V	<u>FILTER</u>			
C601	1-161-964-00	CERAMIC	0.0047MF 250V	CF001	1-567-686-11	OSCILLATOR, CERAMIC	
C602	1-161-964-00	CERAMIC	0.0047MF 250V	CF501	1-567-888-11	OSCILLATOR, CERAMIC	
C603	1-161-964-00	CERAMIC	0.0047MF 250V	<u>CONNECTOR</u>			
C604	1-125-318-00	ELECT(BLOCK)	220MF 20% 400V	CN801	*1-508-765-00	3P PLUG (M)	
C605	1-124-122-11	ELECT	100MF 20% 50V	CND01	*1-564-884-11	PLUG, CONNECTOR 7P	
C606	1-110-175-81	MYLAR	0.1MF 10% 100V	CND02	*1-564-886-11	PLUG, CONNECTOR 9P	
C607	1-130-019-00	FILM	0.0012MF 5% 50V	CND11	*1-566-659-11	CONNECTOR, HINGE (SOCKET) 18P	
C608	1-123-875-11	ELECT	10MF 20% 50V	CND12	*1-564-880-31	PLUG, CONNECTOR 3P	
C611	1-124-122-11	ELECT	100MF 20% 50V	CND21	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P	
C612	1-162-115-00	CERAMIC	330PF 10% 2KV	CND23	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)	
C613	1-136-088-00	FILM	0.0022MF 3% 2KV	CND31	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P	
C614	1-102-030-00	CERAMIC	330PF 10% 500V	CND41	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)	
C615	1-124-557-11	ELECT	1000MF 20% 25V	CND51	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)	
C616	1-102-030-00	CERAMIC	330PF 10% 500V	CND64	*1-506-348-XX	3P PLUG (L)	
C618	1-124-637-11	ELECT	1000MF 20% 50V	CND82	*1-508-765-00	3P PLUG (M)	
C619	1-124-556-11	ELECT	2200MF 20% 16V	CND83	*1-508-786-00	2P PLUG (M)	
C620	1-102-074-00	CERAMIC	0.001MF 10% 50V	CND84	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P	
C621	1-124-347-00	ELECT	100MF 20% 160V	CND91	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
C622	1-124-556-11	ELECT	2200MF 20% 16V	CND92	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
C623	1-124-910-11	ELECT	47MF 20% 50V	CND94	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)	
C624	1-124-122-11	ELECT	100MF 20% 50V	<u>DIODE</u>			
C625	1-124-555-00	ELECT	1000MF 20% 16V	D001	8-719-911-19	DIODE 1SS119	
C626	1-123-875-11	ELECT	10MF 20% 50V	D002	8-719-911-19	DIODE 1SS119	
C627	1-102-074-00	CERAMIC	0.001MF 10% 50V	D003	8-719-911-19	DIODE 1SS119	
C628	1-124-555-00	ELECT	1000MF 20% 16V	D004	8-719-911-19	DIODE 1SS119	
C628A	1-126-101-11	ELECT	100MF 20% 16V	D005	8-719-109-71	DIODE RD3.9ES-B1	
C631	1-124-927-11	ELECT	4.7MF 20% 50V	D007	8-719-109-89	DIODE RD5.6ES-B2	
C632	1-102-074-00	CERAMIC	0.001MF 10% 50V	D008	8-719-110-90	DIODE RD39ES-B4	
C633	1-124-927-11	ELECT	4.7MF 20% 50V	D009	8-719-109-89	DIODE RD5.6ES-B2	
C636	1-123-258-91	ELECT	3.3MF 20% 50V	D011	8-719-911-19	DIODE 1SS119	
C801	1-126-105-11	ELECT	1000MF 20% 35V	D254	8-719-110-14	DIODE RD9.1ES-B3	
C802	1-102-030-00	CERAMIC	330PF 10% 500V	D501	8-719-911-19	DIODE 1SS119	
C804	1-123-948-00	ELECT	22MF 20% 250V	D504	8-719-911-55	DIODE U05G	
C805	1-162-114-00	CERAMIC	0.0047MF 2KV	D506	8-719-000-12	DIODE MC931	
C806	1-110-175-81	MYLAR	0.1MF 10% 100V	D508	8-719-911-19	DIODE 1SS119	
C807	1-106-395-00	MYLAR	0.15MF 10% 200V	D509	8-719-911-19	DIODE 1SS119	
C810	1-123-024-00	ELECT	33MF 160V	D511	8-719-911-55	DIODE U05G	
C811	1-136-117-00	FILM	2MF 5% 200V	D512	8-719-911-55	DIODE U05G	
C812	1-123-943-00	ELECT	1MF 20% 250V	D513	8-719-109-81	DIODE RD4.7ES-B2	
C813	1-102-212-00	CERAMIC	820PF 10% 500V	D591	8-719-911-19	DIODE 1SS119	
C814	1-161-731-00	CERAMIC	0.001MF 10% 2KV	D592	8-719-911-19	DIODE 1SS119	
C815	1-136-116-00	FILM	1MF 5% 200V	D593	8-719-911-19	DIODE 1SS119	
C817	1-136-565-11	FILM	0.015MF 3% 1.4KV	D601	8-719-946-90	DIODE KBU4JL-6088	
C818	1-129-721-00	FILM	0.039MF 10% 630V				
C819	A.1-161-731-11	CERAMIC	0.001MF 10% 2KV				
C820	1-110-189-81	MYLAR	0.0082MF 10% 400V				
C821	A.1-162-116-51	CERAMIC	680PF 10% 2KV				

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D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
D602	8-719-924-06	DIODE ERC24-06S		L602	1-410-396-41	FERRITE BEAD INDUCTOR	
D603	8-719-911-55	DIODE U05G		L603	1-410-396-41	FERRITE BEAD INDUCTOR	
D604	8-719-911-55	DIODE U05G		L605	1-459-442-00	COIL (WITH CORE)	
D605	8-719-911-55	DIODE U05G		L606	1-421-013-00	COIL, (HORIZONTAL CHOKE) 25UH	
D606	8-719-924-06	DIODE ERC24-06S		L607	1-410-482-31	MICRO INDUCTOR 100UH	
D607	8-719-924-06	DIODE ERC24-06S		L803	1-459-104-00	COIL, DUST CORE	
D608	8-719-925-06	DIODE ERC25-06S		L804	1-408-239-00	MICRO INDUCTOR 4.7MMH	
D610	8-719-300-59	DIODE CTU-12S		L805	1-459-755-11	COIL, HORIZONTAL LINEARITY	
D611	8-719-928-08	DIODE ERD28-08S		L806	1-459-111-00	COIL, DRAM CORE (CDI)	
D612	8-719-300-59	DIODE CTU-12S		L807	1-408-242-00	MICRO INDUCTOR 10MMH	
D613	8-719-924-06	DIODE ERC24-06S		L809	*1-420-872-00	COIL, AIR CORE	
D614	8-719-924-06	DIODE ERC24-06S		L810	1-421-982-11	PMC	
D615	8-719-109-92	DIODE RD6.2ES-B1		<u>IC LINK</u>			
D616	8-719-109-93	DIODE RD6.2ES-B2		PS601A	1-532-984-91	LINK, IC	
D617	8-719-109-93	DIODE RD6.2ES-B2		PS602A	1-532-675-91	LINK, IC	
D618	8-719-109-89	DIODE RD5.6ES-B2		<u>TRANSISTOR</u>			
D619	8-719-109-89	DIODE RD5.6ES-B2		Q001	8-729-178-54	TRANSISTOR 2SC2785	
D620	8-719-000-12	DIODE MC931		Q002	8-729-117-54	TRANSISTOR 2SA1175	
D621	8-719-000-12	DIODE MC931		Q003	8-729-117-54	TRANSISTOR 2SA1175	
D622	8-719-911-19	DIODE 1SS119		Q004	8-729-117-54	TRANSISTOR 2SA1175	
D623	8-719-911-19	DIODE 1SS119		Q252	8-729-900-36	TRANSISTOR DTC124ES	
D624	8-719-911-19	DIODE 1SS119		Q501	8-729-117-54	TRANSISTOR 2SA1175	
D627	8-719-911-19	DIODE 1SS119		Q502	8-729-117-54	TRANSISTOR 2SA1175	
D630	8-719-110-39	DIODE RD15ES-B1		Q503	8-729-178-54	TRANSISTOR 2SC2785	
D632	8-719-110-16	DIODE RD10ES-B1		Q505	8-729-177-43	TRANSISTOR 2SD774	
D633	8-719-911-19	DIODE 1SS119		Q506	8-729-103-43	TRANSISTOR 2SB734	
D801	8-719-924-06	DIODE ERC24-06S		Q507	8-729-117-54	TRANSISTOR 2SA1175	
D802	8-719-924-06	DIODE ERC24-06S		Q591	8-729-178-54	TRANSISTOR 2SC2785	
D803	8-719-300-65	DIODE ES1F		Q598	8-729-178-54	TRANSISTOR 2SC2785	
D804	8-719-911-55	DIODE U05G		Q601	8-729-904-32	TRANSISTOR 2SB1185-E	
D805	8-719-911-55	DIODE U05G		Q602	8-729-209-02	TRANSISTOR 2SD1548-LB	
D806	8-719-945-80	DIODE ERC06-15S		*4-368-683-01	SPRING; Q602		
D807	8-719-945-80	DIODE ERC06-15S		Q603	8-729-904-32	TRANSISTOR 2SB1185-E	
D808	8-719-900-26	DIODE ERD29-08J		Q604	8-729-378-91	TRANSISTOR 2SD789	
D809	8-719-924-06	DIODE ERC24-06S		Q605	8-729-178-54	TRANSISTOR 2SC2785	
<u>IC</u>				Q606	8-729-178-54	TRANSISTOR 2SC2785	
IC001	8-759-630-06	IC M50436-614SP		Q607	8-729-904-27	TRANSISTOR 2SD1761-E	
IC002	8-759-970-37	IC MB88503H-565G		Q608	8-729-904-27	TRANSISTOR 2SD1761-E	
IC003	8-759-603-41	IC M58655P		*4-368-683-01	SPRING; Q608		
IC004	8-759-157-40	IC UPC574J		Q609	8-729-378-91	TRANSISTOR 2SD789	
IC251	8-759-803-31	IC LA4280		Q801	8-729-178-54	TRANSISTOR 2SC2785	
*4-368-683-01	SPRING; IC251			Q804	8-729-304-50	TRANSISTOR 2SD1941-06	
IC401	8-752-006-10	IC CX20061		*4-368-683-01	SPRING; Q804		
IC501	8-759-942-15	IC TEA2028A		Q805	8-729-168-82	TRANSISTOR 2SC2688	
IC502	8-759-944-57	IC TDA8170		<u>RESISTOR</u>			
IC601	8-759-946-23	IC TEA2164		R001	1-249-417-11	CARBON	1K 5% 1/4W
*4-386-642-01	HEAT SINK, IC; IC601			R002	1-249-417-11	CARBON	1K 5% 1/4W
<u>COIL</u>				R003	1-249-417-11	CARBON	1K 5% 1/4W
L001	1-410-475-21	MICRO INDUCTOR 27UH		R004	1-249-417-11	CARBON	1K 5% 1/4W
L501	1-408-225-00	MICRO INDUCTOR 3.3UH		R005	1-249-411-11	CARBON	330 5% 1/4W
L601	*1-420-872-00	COIL, AIR CORE					

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

# KV-25XSD/25XSTD RM-673

D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R511	1-249-429-11	CARBON	10K 5% 1/4W	R595	1-249-417-11	CARBON	1K 5% 1/4W
R512	1-247-891-00	CARBON	330K 5% 1/4W	R596	1-249-425-11	CARBON	4.7K 5% 1/4W
R513	1-249-429-11	CARBON	10K 5% 1/4W	R597	1-249-425-11	CARBON	4.7K 5% 1/4W
R514	1-249-409-11	CARBON	220 5% 1/4W	R598	1-249-405-11	CARBON	100 5% 1/4W
R515	1-249-423-11	CARBON	3.3K 5% 1/4W	R599	1-249-405-11	CARBON	100 5% 1/4W
R516	1-249-408-11	CARBON	180 5% 1/4W	R602	1-215-901-00	METAL OXIDE	33K 5% 2W F
R517	1-249-429-11	CARBON	10K 5% 1/4W	R603	1-216-359-00	METAL OXIDE	6.8 5% 1W F
R518	1-249-437-11	CARBON	47K 5% 1/4W	R604	1-249-414-11	CARBON	560 5% 1/4W
R519	1-249-433-11	CARBON	22K 5% 1/4W	R605	1-215-469-00	METAL	100K 1% 1/6W
R520	1-249-411-11	CARBON	330 5% 1/4W	R606	1-215-440-00	CARBON	6.2K 5% 1/4W
R521	1-249-405-11	CARBON	100 5% 1/4W	R607	1-249-434-11	CARBON	27K 5% 1/4W
R522	1-215-469-00	METAL	100K 1% 1/6W	R608	1-215-901-00	METAL OXIDE	33K 5% 2W F
R523	1-249-417-11	CARBON	1K 5% 1/4W	R609	1-249-401-11	CARBON	47 5% 1/4W
R524	1-249-421-11	CARBON	2.2K 5% 1/4W	R610	1-249-385-11	CARBON	2.2 5% 1/4W F
R525	1-249-417-11	CARBON	1K 5% 1/4W	R611	1-249-385-11	CARBON	2.2 5% 1/4W F
R526	1-249-409-11	CARBON	220 5% 1/4W F	R612	1-217-193-00	WIREWOUND	0.27 10% 2W F
R527	1-249-431-11	CARBON	15K 5% 1/4W	R613	1-249-401-11	CARBON	47 5% 1/4W
R528	1-249-408-11	CARBON	180 5% 1/4W	R614	1-205-919-11	CEMENTED	220 10% 10W F
R529	1-249-427-11	CARBON	6.8K 5% 1/4W	R616	1-249-417-11	CARBON	1K 5% 1/4W
R530	1-249-448-11	CARBON	1.2 5% 1/4W F	R617	1-249-411-11	CARBON	330 5% 1/4W
R531	1-247-881-00	CARBON	120K 5% 1/4W	R618	1-218-022-51	METAL OXIDE	560 5% 1W
R532	1-249-417-11	CARBON	1K 5% 1/4W	R619	1-249-429-11	CARBON	10K 5% 1/4W
R534	1-215-491-00	CARBON	820K 5% 1/4W	R620	1-249-433-11	CARBON	22K 5% 1/4W
R535	1-249-753-85	CARBON	4.7M 5% 1/4W	R621	1-249-431-11	CARBON	15K 5% 1/4W
R536	1-249-749-00	CARBON	2.2M 5% 1/4W	R622	1-249-429-11	CARBON	10K 5% 1/4W
R537	1-249-434-11	CARBON	27K 5% 1/4W	R623	1-249-377-11	CARBON	0.47 5% 1/4W F
R538	1-215-479-00	CARBON	270K 5% 1/4W	R624	1-249-411-11	CARBON	330 5% 1/4W
R539	1-247-883-00	CARBON	150K 5% 1/4W	R625	1-218-017-51	METAL OXIDE	220 5% 1W
R540	1-249-399-11	CARBON	33 5% 1/4W	R626	1-249-411-11	CARBON	330 5% 1/4W
R541	1-249-438-11	CARBON	56K 5% 1/4W	R627	1-218-019-51	METAL OXIDE	330 5% 1W
R542	1-249-429-11	CARBON	10K 5% 1/4W	R628	1-249-393-11	CARBON	10 5% 1/4W
R543	1-215-088-00	METAL	2.2 5% 1/4W	R629	1-249-411-11	CARBON	330 5% 1/4W
R544	1-247-745-11	CARBON	330 5% 1/2W	R630	1-249-437-11	CARBON	47K 5% 1/4W
R545	1-249-433-11	CARBON	22K 5% 1/4W	R633	1-249-405-11	CARBON	100 5% 1/4W
R546	1-249-434-11	CARBON	27K 5% 1/4W	R634	1-218-020-51	METAL OXIDE	390 5% 1W
R547	1-249-423-11	CARBON	3.3K 5% 1/4W	R635	1-249-429-11	CARBON	10K 5% 1/4W
R548	1-216-349-00	METAL OXIDE	1 5% 1W F	R636	1-249-429-11	CARBON	10K 5% 1/4W
R549	1-215-890-11	METAL OXIDE	470 5% 2W F	R642	1-216-343-00	METAL OXIDE	0.33 5% 1W F
R550	1-249-440-11	CARBON	82K 5% 1/4W	R643	1-217-192-21	WIREWOUND	0.22 10% 2W F
R551	1-249-749-00	CARBON	2.2M 5% 1/4W	R647	1-216-485-11	METAL OXIDE	5.6K 5% 3W F
R552	1-218-026-51	METAL OXIDE	1.2K 5% 1W	R648	1-216-485-11	METAL OXIDE	5.6K 5% 3W F
R553	1-218-025-51	METAL OXIDE	1K 5% 1W	R649	1-249-385-11	CARBON	2.2 5% 1/4W
R554	1-249-411-11	CARBON	330 5% 1/4W	R650	1-249-417-11	CARBON	1K 5% 1/4W
R555	1-249-749-00	CARBON	2.2M 5% 1/4W	R651	1-249-405-11	CARBON	100 5% 1/4W
R556	1-249-405-11	CARBON	100 5% 1/4W	R802	1-249-443-11	CARBON	0.47 5% 1/4W F
R557	1-249-425-11	CARBON	4.7K 5% 1/4W	R805	1-249-448-11	CARBON	1.2 5% 1/4W F
R558	1-247-895-00	CARBON	470K 5% 1/4W	R806	1-249-439-11	CARBON	68K 5% 1/4W
R559	1-249-427-11	CARBON	6.8K 5% 1/4W	R807	1-218-025-51	METAL OXIDE	1K 5% 1W
R560	1-249-411-11	CARBON	330 5% 1/4W	R809	1-202-821-11	SOLID	1.8K 10% 1/2W
R591	1-249-427-11	CARBON	6.8K 5% 1/4W	R810	1-202-818-00	SOLID	1K 10% 1/2W
R592	1-249-429-11	CARBON	10K 5% 1/4W	R811	1-215-882-00	METAL OXIDE	22 5% 2W F
R593	1-249-429-11	CARBON	10K 5% 1/4W	R812	1-244-917-00	CARBON	68K 5% 1/2W
R594	1-249-424-11	CARBON	3.9K 5% 1/4W	R815	1-215-884-11	METAL OXIDE	47 5% 2W F

D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R006	1-249-417-11	CARBON	1K 5% 1/4W	R070	1-249-417-11	CARBON	1K 5% 1/4W
R007	1-249-405-11	CARBON	100 5% 1/4W	R071	1-249-417-11	CARBON	1K 5% 1/4W
R008	1-249-417-11	CARBON	1K 5% 1/4W	R072	1-249-417-11	CARBON	1K 5% 1/4W
R009	1-249-417-11	CARBON	1K 5% 1/4W	R073	1-249-417-11	CARBON	1K 5% 1/4W
R010	1-249-413-11	CARBON	470 5% 1/4W	R074	1-249-417-11	CARBON	1K 5% 1/4W
R011	1-249-417-11	CARBON	1K 5% 1/4W	R077	1-249-413-11	CARBON	470 5% 1/4W
R012	1-249-417-11	CARBON	1K 5% 1/4W	R078	1-249-423-11	CARBON	3.3K 5% 1/4W
R013	1-249-417-11	CARBON	1K 5% 1/4W	R079	1-249-435-11	CARBON	33K 5% 1/4W
R014	1-249-417-11	CARBON	1K 5% 1/4W	R080	1-249-429-11	CARBON	10K 5% 1/4W
R016	1-249-429-11	CARBON	10K 5% 1/4W	R081	1-249-441-11	CARBON	100K 5% 1/4W
R017	1-249-417-11	CARBON	1K 5% 1/4W	R083	1-249-429-11	CARBON	10K 5% 1/4W
R018	1-249-417-11	CARBON	1K 5% 1/4W	R084	1-249-413-11	CARBON	470 5% 1/4W
R019	1-249-433-11	CARBON	22K 5% 1/4W	R085	1-249-429-11	CARBON	10K 5% 1/4W
R020	1-249-433-11	CARBON	22K 5% 1/4W	R086	1-249-417-11	CARBON	1K 5% 1/4W
R021	1-249-433-11	CARBON	22K 5% 1/4W	R087	1-249-417-11	CARBON	1K 5% 1/4W
R022	1-249-433-11	CARBON	22K 5% 1/4W	R088	1-249-425-11	CARBON	4.7K 5% 1/4W
R023	1-249-429-11	CARBON	10K 5% 1/4W	R090	1-249-413-11	CARBON	470 5% 1/4W
R024	1-249-429-11	CARBON	10K 5% 1/4W	R091	1-249-409-11	CARBON	220 5% 1/4W
R025	1-249-417-11	CARBON	1K 5% 1/4W	R093	1-249-429-11	CARBON	10K 5% 1/4W
R030	1-249-425-11	CARBON	4.7K 5% 1/4W	R094	1-249-429-11	CARBON	10K 5% 1/4W
R031	1-249-429-11	CARBON	10K 5% 1/4W	R095	1-249-409-11	CARBON	220 5% 1/4W
R032	1-249-417-11	CARBON	1K 5% 1/4W	R096	1-249-409-11	CARBON	220 5% 1/4W
R033	1-249-413-11	CARBON	470 5% 1/4W	R097	1-249-429-11	CARBON	10K 5% 1/4W
R034	1-249-413-11	CARBON	470 5% 1/4W	R098	1-249-429-11	CARBON	10K 5% 1/4W
R035	1-249-431-11	CARBON	15K 5% 1/4W	R099	1-215-900-11	METAL OXIDE	22K 5% 2W F
R036	1-249-421-11	CARBON	2.2K 5% 1/4W	R251	1-249-417-11	CARBON	1K 5% 1/4W
R037	1-249-417-11	CARBON	1K 5% 1/4W	R252	1-249-413-11	CARBON	470 5% 1/4W
R038	1-249-417-11	CARBON	1K 5% 1/4W	R253	1-249-413-11	CARBON	470 5% 1/4W
R039	1-249-417-11	CARBON	1K 5% 1/4W	R255	1-249-385-11	CARBON	2.2 5% 1/4W F
R040	1-249-417-11	CARBON	1K 5% 1/4W	R256	1-249-385-11	CARBON	2.2 5% 1/4W F
R041	1-249-417-11	CARBON	1K 5% 1/4W	R260	1-249-393-11	CARBON	10 5% 1/4W
R042	1-249-417-11	CARBON	1K 5% 1/4W	R261	1-249-429-11	CARBON	10K 5% 1/4W
R043	1-249-417-11	CARBON	1K 5% 1/4W	R262	1-249-413-11	CARBON	470 5% 1/4W
R044	1-249-429-11	CARBON	10K 5% 1/4W	R263	1-249-421-11	CARBON	2.2K 5% 1/4W
R045	1-249-417-11	CARBON	1K 5% 1/4W	R264	1-249-421-11	CARBON	2.2K 5% 1/4W
R046	1-249-429-11	CARBON	10K 5% 1/4W	R265	1-249-425-11	CARBON	4.7K 5% 1/4W
R048	1-249-417-11	CARBON	1K 5% 1/4W	R266	1-249-425-11	CARBON	4.7K 5% 1/4W
R049	1-249-417-11	CARBON	1K 5% 1/4W	R401	1-249-434-11	CARBON	27K 5% 1/4W
R050	1-249-433-11	CARBON	22K 5% 1/4W	R402	1-249-435-11	CARBON	33K 5% 1/4W
R051	1-249-429-11	CARBON	10K 5% 1/4W	R410	1-249-413-11	CARBON	470 5% 1/4W
R052	1-249-439-11	CARBON	68K 5% 1/4W	R411	1-249-413-11	CARBON	470 5% 1/4W
R053	1-249-437-11	CARBON	47K 5% 1/4W	R412	1-249-413-11	CARBON	470 5% 1/4W
R054	1-249-417-11	CARBON	1K 5% 1/4W	R500	1-215-487-00	CARBON	560K 5% 1/4W
R055	1-249-433-11	CARBON	22K 5% 1/4W	R501	1-249-413-11	CARBON	470 5% 1/4W
R057	1-249-409-11	CARBON	220 5% 1/4W	R502	1-249-409-11	CARBON	220 5% 1/4W
R058	1-249-409-11	CARBON	220 5% 1/4W	R503	1-249-410-11	CARBON	270 5% 1/4W
R061	1-249-417-11	CARBON	1K 5% 1/4W	R504	1-215-427-00	METAL	1.8K 1% 1/6W
R062	1-249-411-11	CARBON	330 5% 1/4W	R505	1-249-431-11	CARBON	15K 5% 1/4W
R063	1-249-431-11	CARBON	15K 5% 1/4W	R506	1-249-428-11	CARBON	8.2K 5% 1/4W
R064	1-249-429-11	CARBON	10K 5% 1/4W	R507	1-247-891-00	CARBON	330K 5% 1/4W
R067	1-249-413-11	CARBON	470 5% 1/4W	R508	1-247-849-00	CARBON	5.6K 5% 1/4W
R068	1-249-421-11	CARBON	2.2K 5% 1/4W	R509	1-249-424-11	CARBON	3.9K 5% 1/4W
R069	1-249-423-11	CARBON	3.3K 5% 1/4W	R510	1-247-849-00	CARBON	5.6K 5% 1/4W

# KV-25XSD/25XSTD RM-673

**V H5 J1**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q09	8-729-117-54	TRANSISTOR 2SA1175		X03	1-567-686-11	OSCILLATOR, CERAMIC	
Q10	8-729-117-54	TRANSISTOR 2SA1175		*****			
Q11	8-729-117-54	TRANSISTOR 2SA1175		*1-622-534-11	H5 BOARD		
<u>RESISTOR</u>				*****			
R01	1-218-021-51	METAL OXIDE 470 5% 1W		<u>CONNECTOR</u>			
R02	1-249-425-11	CARBON 4.7K 5% 1/4W		CNH01	*1-564-896-11	PLUG, CONNECTOR 7P	
R04	1-218-021-51	METAL OXIDE 470 5% 1W		CNH02	*1-564-898-11	PLUG, CONNECTOR 9P	
R05	1-215-128-00	METAL 100 5% 1/4W		<u>DIODE</u>			
R06	1-249-417-11	CARBON 1K 5% 1/4W		D1401	8-719-311-23	DIODE SEL1122P-N	
R07	1-249-405-11	CARBON 100 5% 1/4W			*2-261-216-00	HOLDER (S), LED; D1401	
R08	1-249-411-11	CARBON 330 5% 1/4W		D1402	8-719-311-23	DIODE SEL1122P-N	
R09	1-249-438-11	CARBON 56K 5% 1/4W			*2-261-216-00	HOLDER (S), LED; D1402	
R13	1-249-405-11	CARBON 100 5% 1/4W		D1403	8-719-311-23	DIODE SEL1122R-N	
R14	1-249-405-11	CARBON 100 5% 1/4W			*2-261-216-00	HOLDER (S), LED; D1403	
R15	1-215-493-00	CARBON 1M 5% 1/4W		D1404	8-719-311-23	DIODE SEL1122P-N	
R16	1-249-420-11	CARBON 1.8K 5% 1/4W			*2-261-216-00	HOLDER (S), LED; D1404	
R17	1-249-417-11	CARBON 1K 5% 1/4W		D1405	8-719-812-41	DIODE TLRI24	
R18	1-249-425-11	CARBON 4.7K 5% 1/4W			4-359-103-00	HOLDER, LED; D1405	
R19	1-249-411-11	CARBON 330 5% 1/4W		<u>IC</u>			
R20	1-215-146-00	METAL 560 5% 1/4W		IC1401	8-741-138-70	IC BX1387	
R27	1-249-399-11	CARBON 33 5% 1/4W		<u>RESISTOR</u>			
R28	1-249-399-11	CARBON 33 5% 1/4W		R1491	1-249-414-11	CARBON 560 5% 1/4W	
R29	1-249-399-11	CARBON 33 5% 1/4W		<u>SWITCH</u>			
R30	1-215-130-00	METAL 120 5% 1/4W		S1401	1-571-085-21	SWITCH, TACTICLE	
R31	1-215-130-00	METAL 120 5% 1/4W		S1402	1-571-085-21	SWITCH, TACTICLE	
R32	1-215-130-00	METAL 120 5% 1/4W		S1403	1-571-085-21	SWITCH, TACTICLE	
R33	1-247-805-00	CARBON 82 5% 1/4W		S1404	1-571-085-21	SWITCH, TACTICLE	
R34	1-249-417-11	CARBON 1K 5% 1/4W		S1405	1-571-085-21	SWITCH, TACTICLE	
R37	1-249-405-11	CARBON 100 5% 1/4W		S1406	1-571-085-21	SWITCH, TACTICLE	
R38	1-249-416-11	CARBON 820 5% 1/4W		S1408	1-571-085-21	SWITCH, TACTICLE	
R40	1-249-425-11	CARBON 4.7K 5% 1/4W		S1409	1-571-085-21	SWITCH, TACTICLE	
R41	1-249-413-11	CARBON 470 5% 1/4W		S1410	1-571-085-21	SWITCH, TACTICLE	
R43	1-249-425-11	CARBON 4.7K 5% 1/4W		S1411	1-571-085-21	SWITCH, TACTICLE	
R44	1-249-413-11	CARBON 470 5% 1/4W		S1412	1-571-085-21	SWITCH, TACTICLE	
R45	1-215-152-00	METAL 1K 5% 1/4W		S1414	1-571-085-21	SWITCH, TACTICLE	
R46	1-247-779-00	CARBON 6.8 5% 1/6W		*****			
<u>VARIABLE RESISTOR</u>				*A-1371-335-A	J1 BOARD, COMPLETE		
RV01	1-230-624-51	RES, ADJ, CARBON 220		*****			
<u>CONNECTOR</u>				<u>CAPACITOR</u>			
V1	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		C1407	1-124-477-11	ELECT 47MF 20% 16V	
V2	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		C1415	1-124-902-00	ELECT 0.47MF 20% 50V	
V3	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P		C1416	1-124-902-00	ELECT 0.47MF 20% 50V	
V4	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)		C1418	1-102-112-00	CERAMIC 330PF 10% 50V	
V5	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		C1419	1-102-112-00	CERAMIC 330PF 10% 50V	
V6	*1-508-784-00	1P PLUG		C1423	1-110-182-81	MYLAR 0.022MF 10% 250V	
<u>CRYSTAL</u>				C1424	1-110-182-81	MYLAR 0.022MF 10% 250V	
X01	1-567-162-00	OSCILLATOR, CRYSTAL					
X02	1-567-495-11	OSCILLATOR, CRYSTAL					



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R816	1-218-023-51	METAL OXIDE 680 5% 1W		C18	1-102-953-00	CERAMIC 18PF 5% 50V	
R817	1-249-417-11	CARBON 1K 5% 1/4W		C19	1-110-171-81	MYLAR 0.047MF 10% 100V	
R820	1-249-403-11	CARBON 68 5% 1/4W		C20	1-102-978-00	CERAMIC 220PF 5% 50V	
R821	1-247-725-11	CARBON 10K 5% 1/4W	F	C21	1-110-173-81	MYLAR 0.068MF 10% 100V	
R822	1-217-778-11	FUSIBLE 1K 5% 1W	F	C24	1-126-101-11	ELECT 100MF 20% 16V	
R825	1-216-345-11	METAL OXIDE 0.47 5% 1W	F	C25	1-124-477-11	ELECT 47MF 20% 16V	
R826	1-249-441-11	CARBON 100K 5% 1/4W		C27	1-102-820-00	CERAMIC 330PF 5% 50V	
R827	1-249-429-11	CARBON 10K 5% 1/4W		C28	1-102-116-00	CERAMIC 680PF 10% 50V	
R828	1-249-423-11	CARBON 3.3K 5% 1/4W		C29	1-124-927-11	ELECT 4.7MF 20% 50V	
R829	1-249-416-11	CARBON 820 5% 1/4W		C51	1-110-175-81	MYLAR 0.1MF 10% 100V	
R830	1-249-429-11	CARBON 10K 5% 1/4W		C52	1-110-175-81	MYLAR 0.1MF 10% 100V	
R1001	1-249-421-11	CARBON 2.2K 5% 1/4W		C53	1-110-175-81	MYLAR 0.1MF 10% 100V	
R5501	1-249-429-11	CARBON 10K 5% 1/4W		C54	1-110-175-81	MYLAR 0.1MF 10% 100V	
R5502	1-249-417-11	CARBON 1K 5% 1/4W		C55	1-110-175-81	MYLAR 0.1MF 10% 100V	
R5503	1-249-389-11	CARBON 4.7 5% 1/4W		C56	1-110-175-81	MYLAR 0.1MF 10% 100V	
R5504	1-215-493-00	CARBON 1M 5% 1/4W		C57	1-102-074-00	CERAMIC 0.001MF 10% 50V	
VARIABLE RESISTOR				C58	1-102-074-00	CERAMIC 0.001MF 10% 50V	
RV501	1-228-991-00	RES, ADJ, CARBON 2.2K		C59	1-102-074-00	CERAMIC 0.001MF 10% 50V	
RV502	1-230-630-11	RES, ADJ, CARBON 10K		TRIMMER			
RV601	1-228-990-00	RES, ADJ, CARBON 1K		CT01	1-141-181-11	CAP, TRIMMER	
SPARK GAP				DIODE			
SG801	1-519-063-XX	DISCHARGING GAP		D01	8-719-109-89	DIODE RD5.6ES-B2	
TRANSFORMER				D02	8-719-110-36	DIODE RD13ES-B2	
T601	1-448-961-11	S.R.T		D03	8-719-911-19	DIODE 1SS119	
T602	1-424-011-11	TRANSFORMER, PULSE		D04	8-719-109-69	DIODE RD3.6ES-B2	
T801	1-437-090-00	HDT		D07	8-719-109-96	DIODE RD6.8ES-B1	
*****				D08	8-719-109-96	DIODE RD6.8ES-B1	
*A-1347-014-A V BOARD, COMPLETE (KV-25XSTD ONLY)				IC			
*****				IC01	8-759-942-54	IC MAB8461P-W083	
CAPACITOR				IC02	8-759-947-51	IC SAA5231-V4	
C01	1-126-101-11	ELECT 100MF 20% 16V		IC03	8-759-946-85	IC SAA5243E	
C02	1-124-120-11	ELECT 220MF 20% 16V		IC04	8-759-113-01	IC UPD4364CX-15L	
C03	1-124-119-00	ELECT 330MF 20% 16V		COIL			
C04	1-124-477-11	ELECT 47MF 20% 16V		L01	1-408-411-00	MICRO INDUCTOR 15UH	
C05	1-126-101-11	ELECT 100MF 20% 16V		L02	1-410-468-11	MICRO INDUCTOR 6.8UH	
C06	1-124-120-11	ELECT 220MF 20% 16V		L03	1-410-468-11	MICRO INDUCTOR 6.8UH	
C07	1-124-499-11	ELECT 1MF 20% 50V		L04	1-410-468-11	MICRO INDUCTOR 6.8UH	
C08	1-102-951-00	CERAMIC 15PF 5% 50V		L05	1-410-468-11	MICRO INDUCTOR 6.8UH	
C09	1-102-074-00	CERAMIC 0.001MF 10% 50V		L06	1-410-468-11	MICRO INDUCTOR 6.8UH	
C10	1-102-824-00	CERAMIC 470PF 5% 50V		TRANSISTOR			
C11	1-110-182-81	MYLAR 0.022MF 10% 250V		Q01	8-729-904-27	TRANSISTOR 2SD1761-E	
C12	1-102-980-00	CERAMIC 270PF 5% 50V		Q02	8-729-177-43	TRANSISTOR 2SD774	
C13	1-102-973-00	CERAMIC 100PF 5% 50V		Q03	8-729-900-80	TRANSISTOR DTC114ES	
C14	1-102-951-00	CERAMIC 15PF 5% 50V		Q04	8-729-178-54	TRANSISTOR 2SC2785	
C15	1-102-961-00	CERAMIC 27PF 5% 50V		Q05	8-729-177-43	TRANSISTOR 2SD774	
C16	1-110-190-81	MYLAR 0.01MF 10% 400V		Q06	8-729-178-54	TRANSISTOR 2SC2785	
C17	1-110-171-81	MYLAR 0.047MF 10% 100V		Q07	8-729-178-54	TRANSISTOR 2SC2785	

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

# KV-25XSD/25XSTD RM-673

## J2 KS

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>JACK</u>				<u>RESISTOR</u>			
J1401	1-507-806-00	JACK		R204	1-249-435-11	CARBON 33K 5% 1/4W	
<u>RESISTOR</u>				R205	1-249-435-11	CARBON 33K 5% 1/4W	
R1401	1-215-144-00	METAL 470 5% 1/4W		R206	1-249-423-11	CARBON 3.3K 5% 1/4W	
R1402	1-215-144-00	METAL 470 5% 1/4W		R207	1-249-423-11	CARBON 3.3K 5% 1/4W	
*****				R208	1-249-431-11	CARBON 15K 5% 1/4W	
*1-622-449-11	KS BOARD	*****		R209	1-249-433-11	CARBON 22K 5% 1/4W	
<u>CAPACITOR</u>				R210	1-249-431-11	CARBON 15K 5% 1/4W	
C202	1-124-902-00	ELECT 0.47MF 20% 50V		R211	1-249-441-11	CARBON 100K 5% 1/4W	
C204	1-124-902-00	ELECT 0.47MF 20% 50V		R212	1-249-433-11	CARBON 22K 5% 1/4W	
C213	1-124-908-11	ELECT 22MF 20% 50V		R213	1-249-431-11	CARBON 15K 5% 1/4W	
C214	1-110-188-81	MYLAR 0.0068MF 10% 400V		R214	1-249-417-11	CARBON 1K 5% 1/4W	
C217	1-110-188-81	MYLAR 0.0068MF 10% 400V		R215	1-249-433-11	CARBON 22K 5% 1/4W	
C218	1-110-182-81	MYLAR 0.022MF 10% 250V		R216	1-249-433-11	CARBON 22K 5% 1/4W	
C219	1-110-182-81	MYLAR 0.022MF 10% 250V		R217	1-249-431-11	CARBON 15K 5% 1/4W	
C220	1-108-620-91	MYLAR 0.0033MF 10% 100V		R218	1-249-417-11	CARBON 1K 5% 1/4W	
C221	1-108-620-91	MYLAR 0.0033MF 10% 100V		R219	1-249-429-11	CARBON 10K 5% 1/4W	
C222	1-110-182-81	MYLAR 0.022MF 10% 250V		R221	1-249-417-11	CARBON 1K 5% 1/4W	
C223	1-110-182-81	MYLAR 0.022MF 10% 250V		R222	1-249-417-11	CARBON 1K 5% 1/4W	
C224	1-110-190-81	MYLAR 0.01MF 10% 400V		R225	1-249-417-11	CARBON 1K 5% 1/4W	
C225	1-136-173-00	FILM 0.47MF 5% 50V		R226	1-249-417-11	CARBON 1K 5% 1/4W	
C226	1-136-173-00	FILM 0.47MF 5% 50V		R227	1-249-417-11	CARBON 1K 5% 1/4W	
C227	1-110-182-81	MYLAR 0.022MF 10% 250V		R228	1-249-417-11	CARBON 1K 5% 1/4W	
C228	1-110-184-81	MYLAR 0.033MF 10% 250V		*****			
C229	1-110-192-81	MYLAR 0.015MF 10% 400V		<u>MISCELLANEOUS</u>			
C230	1-110-192-81	MYLAR 0.015MF 10% 400V		*****			
C231	1-124-902-00	ELECT 0.47MF 20% 50V		A-1-426-325-11	COIL, DEMAGNETIZATION		
C232	1-123-875-11	ELECT 10MF 20% 50V		A-1-451-311-21	DEFLECTION YOKE (SY-178)		
C233	1-102-114-00	CERAMIC 470PF 10% 50V		1-452-032-00	MAGNET, DISK; 10MM Ø		
C234	1-102-114-00	CERAMIC 470PF 10% 50V		1-452-094-00	MAGNET, ROTABLE DISK; 15MM Ø		
C235	1-102-114-00	CERAMIC 470PF 10% 50V		1-503-642-11	SPEAKER		
C236	1-102-114-00	CERAMIC 470PF 10% 50V		A-1-559-346-11	CORD, POWER (WITH CONNECTOR)		
C237	1-124-902-00	ELECT 0.47MF 20% 50V		T802 A-1-439-416-11	TRANSFORMER ASSY, FLYBACK		
C238	1-102-970-00	CERAMIC 220PF 5% 50V		V901 A-8-733-224-05	PICTURE TUBE (A59JWC60X)		
C239	1-126-103-11	ELECT 470MF 20% 16V		*****			
<u>CONNECTOR</u>				<u>ACCESSORIES AND PACKING MATERIALS</u>			
CNK21	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P		*****			
<u>DIODE</u>				Part No.	Description	Remark	
D205	8-719-110-04	DIODE RD7.5ES-B3		A-1470-808-A	COMMANDER ASSY (RM-673)		
D206	8-719-110-04	DIODE RD7.5ES-B3		*4-366-617-01	BAG, PROTECTION		
<u>IC</u>				*4-385-906-01	CUSHION (UPPER) (ASSY)		
IC201	8-759-013-17	IC TDA6200		*4-385-907-01	INDIVIDUAL CARTON		
				*4-385-910-01	CUSHION (LOWER)		
				4-482-477-61	MANUAL, INSTRUCTION (EXCEPT G)		
				4-482-477-71	MANUAL, INSTRUCTION (WG ONLY)		

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Sony Corporation

TV Group

9-963-866-01

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J1 J2

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C1427	1-101-003-00	CERAMIC 0.0047MF	50V	R1434	1-249-393-11	CARBON 10 5% 1/4W	F
C1428	1-101-003-00	CERAMIC 0.0047MF	50V	R1437	1-249-429-11	CARBON 10K 5% 1/4W	
C1431	1-124-655-11	ELECT 0.47MF 20%	50V	R1440	1-249-416-11	CARBON 820 5% 1/4W	
C1432	1-124-902-00	ELECT 0.47MF 20%	50V	R1441	1-249-416-11	CARBON 820 5% 1/4W	
C1433	1-126-101-11	ELECT 100MF 20%	16V	R1442	1-249-437-11	CARBON 47K 5% 1/4W	
C1501	1-123-875-11	ELECT 10MF 20%	50V	R1443	1-249-437-11	CARBON 47K 5% 1/4W	
C1502	1-123-875-11	ELECT 10MF 20%	50V	R1449	1-249-405-11	CARBON 100 5% 1/4W	
C1503	1-108-614-91	MYLAR 0.001MF 10%	100V	R1450	1-249-413-11	CARBON 470 5% 1/4W	
C1504	1-124-910-11	ELECT 47MF 20%	50V	R1451	1-249-413-11	CARBON 470 5% 1/4W	
C1505	1-110-171-81	MYLAR 0.047MF 10%	100V	R1501	1-249-433-11	CARBON 22K 5% 1/4W	
C1507	1-108-620-91	MYLAR 0.0033MF 10%	100V	R1502	1-249-434-11	CARBON 27K 5% 1/4W	
C1508	1-123-875-11	ELECT 10MF 20%	50V	R1503	1-247-895-00	CARBON 470K 5% 1/4W	
C1509	1-124-499-11	ELECT 1MF 20%	50V	R1504	1-249-435-11	CARBON 33K 5% 1/4W	
C1511	1-123-875-11	ELECT 10MF 20%	50V	R1505	1-249-433-11	CARBON 22K 5% 1/4W	
C1512	1-110-188-81	MYLAR 0.0068MF 10%	400V	R1506	1-247-895-00	CARBON 470K 5% 1/4W	
C1513	1-102-963-00	CERAMIC 33PF 5%	50V	R1509	1-247-887-00	CARBON 220K 5% 1/4W	
C1514	1-110-183-81	FILM 0.027MF 10%	250V	R1510	1-247-849-00	CARBON 5.6K 5% 1/4W	
C1515	1-102-117-00	CERAMIC 820PF 10%	50V	R1511	1-249-417-11	CARBON 1K 5% 1/4W	
<u>CONNECTOR</u>				R1512	1-249-429-11	CARBON 10K 5% 1/4W	
CN1401	1-537-088-11	TERMINAL BOARD, INPUT/OUTPUT		R1513	1-249-438-11	CARBON 56K 5% 1/4W	
CN1402	1-561-534-91	SOCKET 21P		R1514	1-249-417-11	CARBON 1K 5% 1/4W	
CNJ41	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P		R1515	1-215-489-00	CARBON 680K 5% 1/4W	
CNJ43	*1-564-893-11	PLUG, CONNECTOR 4P		R1516	1-249-432-11	CARBON 18K 5% 1/4W	
CNJ51	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P		R1517	1-249-411-11	CARBON 330 5% 1/4W	
CNJ67	*1-560-721-21	PLUG, CONNECTOR 2P		R1518	1-249-429-11	CARBON 10K 5% 1/4W	
CNJ142	*1-564-893-11	PLUG, CONNECTOR 4P		R1519	1-247-883-00	CARBON 150K 5% 1/4W	
<u>DIODE</u>				R1520	1-247-895-00	CARBON 470K 5% 1/4W	
D1407	8-719-110-18	DIODE RD10ES-B3		R1556	1-247-849-00	CARBON 5.6K 5% 1/4W	
D1409	8-719-110-14	DIODE RD9.1ES-B3		<u>VARIABLE RESISTOR</u>			
D1410	8-719-110-14	DIODE RD9.1ES-B3		RV1501	1-228-999-00	RES, ADJ, CARBON 470K	
D1419	8-719-110-04	DIODE RD7.5ES-B3		RV1502	1-228-994-00	RES, ADJ, CARBON 10K	
D1501	8-719-911-19	DIODE 1SS119		RV1503	1-228-995-00	RES, ADJ, CARBON 22K	
D1502	8-719-911-19	DIODE 1SS119		RV1504	1-228-990-00	RES, ADJ, CARBON 1K	
D1503	8-719-911-19	DIODE 1SS119		RV1505	1-228-999-00	RES, ADJ, CARBON 470K	
D1504	8-719-911-19	DIODE 1SS119		RV1506	1-228-995-00	RES, ADJ, CARBON 22K	
D1505	8-719-000-12	DIODE MC931		RV1507	1-230-504-11	RES, ADJ, CARBON 220	
<u>IC</u>				RV1508	1-228-994-00	RES, ADJ, CARBON 10K	
IC1402	8-759-946-32	IC TEA2014A		RV1509	1-228-999-00	RES, ADJ, CARBON 470K	
IC1501	8-759-942-16	IC TEA2031A		*****			
<u>COIL</u>				*1-622-448-11	J2 BOARD		
L1401	1-459-407-00	COIL, FERRITE CHOKE			*****		
L1402	1-459-407-00	COIL, FERRITE CHOKE		<u>CAPACITOR</u>			
<u>RESISTOR</u>				C1401	1-126-105-11	ELECT 1000MF 20% 35V	
R1417	1-249-404-00	CARBON 82 5% 1/4W		C1402	1-126-105-11	ELECT 1000MF 20% 35V	
R1423	1-247-849-00	CARBON 5.6K 5% 1/4W		<u>CONNECTOR</u>			
R1424	1-247-849-00	CARBON 5.6K 5% 1/4W		CNJ23	*1-564-893-11	PLUG, CONNECTOR 4P	
R1428	1-247-895-00	CARBON 470K 5% 1/4W		CNJ242	*1-564-893-11	PLUG, CONNECTOR 4P	
R1429	1-247-895-00	CARBON 470K 5% 1/4W					
R1430	1-249-404-00	CARBON 82 5% 1/4W					
R1433	1-249-409-11	CARBON 220 5% 1/4W					